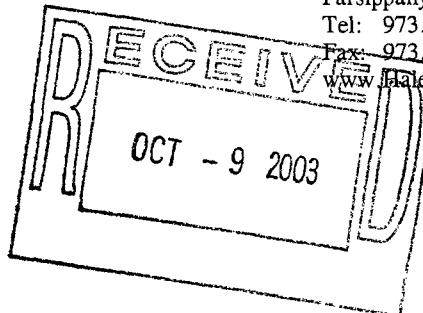


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Letter of Transmittal

Date 08 October 2003
File Number 29756-013
From Jenny Liu

To New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, NJ 08625

Attention Mr. Joseph Nowak

Copy to Hexcel Corporation; Attn: A. William Nosil
Norris McLaughlin & Marcus, PA; Attn: Edward A. Hogan, Esq.

Subject Hexcel Facility, Lodi, NJ
ISRA Case No. 86009

Copies	Date	Description
3 - NJDEP	10/08/2003	Report on Sediment and Surface Water Sampling Program
1 - Hexcel		Hexcel Corporation
2 - NMM		Lodi Borough, Bergen County, New Jersey
		ISRA Case No. 86009
1	10/08/2003	Electronic data deliverables diskette (NJDEP only)
1	08/21/2003	Laboratory QA/QC results package - STL Job Numbers L719, L720 and L759 (NJDEP only)

Transmitted via First class mail Overnight express Hand delivery Other

Remarks

Dear Mr. Nowak:

Enclosed is the original and two copies of Hexcel's Report on Sediment and Surface Water Sampling Program. Please call me if you have any questions during your review.

Regards,
Jenny Liu

SDMS Document



88188



8 October 2003
File No. 29756-013

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Joseph J. Nowak
New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
P.O. Box 432
401 East State Street
Trenton, New Jersey 08625

Subject: Report on Sediment and Surface Water Sampling Program
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Dear Mr. Nowak:

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On behalf of Hexcel Corporation (Hexcel), Haley & Aldrich, Inc. (Haley & Aldrich) is providing this Report on our Sediment and Surface Water Sampling Program (SSWSP) conducted in July 2003. This Report summarizes the results of remedial investigations approved by New Jersey Department of Environmental Protection (NJDEP) as proposed in Hexcel's Proposed River Bank and Sediment Sampling Work Plan dated 20 December 2002 and Hexcel's November 1999 Remedial Action Workplan Addendum. A copy of each of the NJDEP's approval letters, dated 19 March 2003 and 19 May 2003, is provided in Appendix A. The SSWSP was conducted in accordance with N.J.A.C. 7:26E Technical Requirements for Site Remediation and the NJDEP's November 1998 "Guidance For Sediment Quality Evaluation."

The objective of the SSWSP was to determine whether sediment and surface water may have been impacted by contaminants potentially migrating from the Hexcel Site (Site) and, if so, to delineate contaminants found both at the Hexcel Site and in the Saddle River. The SSWSP included sediment and surface water sampling and analyses in two Areas of Concern (AOCs) in the Saddle River: i) directly adjacent to the Hexcel Site, and ii) in the vicinity of a storm sewer outfall located approximately 750 feet south and downstream of the Site. In addition, the work conducted in this SSWSP was used to evaluate the results of Hexcel's 1997 sediment sampling program conducted in the vicinity of the storm sewer outfall.

An aerial photograph of the Hexcel Site and vicinity, including recent sediment and surface water sample locations, is provided in Figure 1. A site plan showing both AOCs is shown in Figure 2.

Our conclusions and recommendations based on the results of this sampling program are as follows:

- Surface water quality in the Saddle River adjacent to the Site has not been adversely impacted by the potential migration of compounds of concern from the Site. Polychlorinated biphenyls (PCBs) were not detected in any of the surface water samples collected, and only one site-related volatile organic (VO), chlorobenzene, was detected at low concentrations below the New Jersey Surface Water Quality Standard.
- The extent of sediment contamination potentially related to the Site has been delineated.
- Detected concentrations of compounds of concern in sediment are limited in extent and concentration, and are not anticipated to cause adverse impacts to potential ecological receptors.
- Sediments in the Saddle River adjacent to the Hexcel Site are minimally impacted by the potential migration of compounds of concern from the Site. The extent of VO contamination in sediments is limited in extent and concentration, and VOs in sediments are not discernibly migrating to surface water. There is no significant migration of PCBs off Site, based on the non-detection of aroclor 1242, the primary PCB aroclor of concern, and the one detection of aroclor 1248 at relatively low concentrations below a site-specific Sediment Quality Benchmark.
- Additional sediment sampling conducted in the vicinity of the storm sewer outfall has resulted in delineation of contamination and indicates significantly lower levels of PCBs than those detected in 1997. PCBs were not detected in any of the recent surficial sediment samples, which represent conditions in the biologically-active zone, and recent sampling of deeper subsurface sediments indicates that the extent of potentially Site-related contamination in sediments is limited in both extent and concentration.
- Hexcel is moving forward with the implementation of dual-phase extraction in the source areas, and removal of other on-site sources of contamination. These include the completion of surficial PCBs removal, the removal of the industrial sewer, and the installation of a subsurface sheet pile barrier around some source areas. Therefore, concentrations of compounds of concern on Site and, consequently, potential migration from the Site will decrease significantly with time.
- Potential remedial action would be invasive and would cause adverse impacts to ecological receptors. There are numerous other sources contributing PCBs to the Saddle River, as indicated by the recent and historical sediment quality data sets.

Therefore, the efficacy of potential remedial action would be limited, and the costs, including risk of harm to ecological receptors, would exceed the benefits.

This Report is divided into following sections:

- 1) Saddle River Stream Flow Conditions
- 2) Field Program
 - I) Surface Water Sampling Program
 - II) Sediment Sampling Program
- 3) Evaluation of Analytical Results
 - I) Hexcel Site
 - A) Surface Water Sampling Program
 - B) Sediment Sampling Program
 - II) Storm Sewer Outfall
 - A) Sediment Sampling Program
 - III) Data Deliverables
- 4) Conclusions and Recommendations

1. SADDLE RIVER STREAM FLOW CONDITIONS

This section discusses the stream flow conditions of the Saddle River prior to and during the sampling events. By letters dated 19 March 2003 and 19 May 2003, NJDEP required Hexcel to demonstrate that stream flow is relatively low at the time of surface water sampling. This condition was achieved in compliance with NJDEP's requirement and as described below. Copies of the NJDEP letters are included in Appendix A.

Haley & Aldrich conducted the surface water and sediment sampling program during a period of low stream flow conditions. The data from the U.S. Geological Survey (USGS) stream gage designated as the station for Saddle River at Lodi, NJ were used to measure stream flow. The USGS stream gage is located approximately 1,000 yards upstream of the Hexcel Site. Figure 3 shows the monthly mean stream flow data from July 1990 to August 2003. The data from July 1990 through September 2002 are published values. The data from October 2002 through August 2003 are provisional data downloaded from the USGS web site and are subject to revision.

The NJDEP's 19 May 2003 letter approved the sediment and surface water sampling in mid to late July, given confirmation of relatively low flow conditions. The long-term mean discharge for the month of July ($71.8 \text{ ft}^3/\text{sec}$) is within 10 percent of the mean discharge for October of $64.7 \text{ ft}^3/\text{sec}$, the lowest monthly mean stream flow measured over USGS Water Years 1924-2001. The long-term monthly mean includes 2002 data for July but not October, because it is calculated from published values only.

As shown in Figure 3, the daily mean discharge on 31 July 2003, the date that Haley & Aldrich collected surface water samples, was $63 \text{ ft}^3/\text{sec}$, which is below the long-term (1924-2002) monthly mean stream flow for July. Furthermore, the stream flow on 31 July 2003 was the lowest daily mean discharge recorded for this station during the month of July 2003 and was well below the monthly mean discharge for July 2003 ($110 \text{ ft}^3/\text{sec}$). The stream flows recorded in June and August 2003 were significantly higher, with the monthly mean values of as $291 \text{ ft}^3/\text{sec}$ and $149 \text{ ft}^3/\text{sec}$, respectively. Therefore, Hexcel is confident that NJDEP will concur that stream flow conditions in the Saddle River were of sufficiently low flow during the July 2003 sampling event.

2. FIELD PROGRAM

This section discusses the SSWSP conducted for the two Areas of Concern (AOCs), namely, i) the Hexcel Site, and ii) the storm sewer outfall. The Saddle River is best described as an urban watershed that is disturbed with significant degradation of habitat quality. Haley & Aldrich personnel observed large quantities of waste debris in the river, including refrigerators, porcelain toilets, automobile axles, tires, concrete block foundations, bricks, cinder blocks, and other household appliances and automotive parts. Refuse and litter were also observed in the river and along the river bank. Photographs were taken to document river surface, river bottom, and surrounding conditions before and during sampling and are included in Appendix B.

I. Surface Water Sampling Program

The purpose of the surface water sampling program was to determine whether surface water may have been impacted by contaminants potentially migrating from the Site. On 31 July 2003, Haley & Aldrich personnel collected surface water samples from seven (7) locations in the Saddle River, designated "HA-SED-SW-1" through "HA-SED-SW-7," as shown on Figure 4. The seven surface water sampling locations were approved by NJDEP in a letter dated 20 November 2001. The surface water samples were collected in conjunction with the proposed sediment samples at the Hexcel Site, in accordance with NJDEP Guidance.

The surface water samples were collected during low stream water levels to minimize dilution processes. Samples were collected from downstream to upstream locations, starting at proposed sampling location HA-SED-SW-1, prior to the collection of sediment samples to avoid incorporation of disturbed sediment. Surface water samples were collected close to the

bed of the river in shallow water near the river bank to minimize dilution, as requested by the NJDEP's 19 March 2003 letter. The depth to water at the time of sampling ranged from less than 1 foot to approximately 3.5 feet at sampling locations conducted along the river's edge. In one depositional area where sediment samples were collected (location HA-SED-15), the top of sediment extended above the water surface by approximately 2 inches. Due to the shallow nature of the Saddle River, grab samples were deemed to be appropriate at all sample locations. Dedicated sample jars were used. Sample locations were documented by taping off distances along the riverbank from fixed site features.

Seven surface water samples and one field duplicate (sample SW-600) were submitted to Severn Trent Laboratories (STL) in Edison, New Jersey (NJDEP Lab Certification #12028) for the following chemical analyses: PCBs, VO+10 including dichlorobenzenes and acetone, pH, and total hardness. One trip blank was analyzed for VO+10 including dichlorobenzenes and acetone. Haley & Aldrich field tested the surface water samples for dissolved oxygen utilizing a dissolved oxygen meter. Metals and base neutral organic compounds (BNs) are not considered to be compounds of concern in surface water, based on groundwater quality results for samples collected from monitoring wells along the Saddle River. In a letter dated 19 May 2003, NJDEP accepted Hexcels proposal to omit the collection of surface water samples for priority pollutant metals and BNs (other than dichlorobenzenes). A copy of the 19 May 2003 letter from NJDEP is included in Appendix A.

Haley & Aldrich reviewed surface water quality data provided by Napp Technologies, Inc. (Napp), which is located adjacent to the Hexcels property to the south. The surface water samples were collected by Environmental Liability Management, Inc. (ELM) on behalf of Napp in March 2002. At one location adjacent to the Hexcels Site (ELM_SW-6), a surface water sample and a field duplicate were collected; the analytical results for VOs are presented herein. Napp did not conduct PCB analyses on the surface water samples.

II. Sediment Sampling Program

The purpose of the sediment sampling program was to delineate the extent of contaminants found in sediments that are also found at the Hexcels Site, and to distinguish potential Site impacts to the Saddle River from those impacts unrelated to the Site. In addition, the recent sediment sampling program was used to evaluate the results of a previous sediment sampling program. In October 1997, Hexcels conducted a sediment sampling program along the eastern bank of the Saddle River in the vicinity of the sewer outfall pipe to which the Hexcels storm sewer system is believed to be connected in addition to potential discharges from sources other than Hexcels.

On 30 and 31 July 2003, Haley & Aldrich personnel collected sediment samples at fifteen (15) stations. Seven of these stations, designated "HA-SED-SW-1" through "HA-SED-SW-7", were located upstream and adjacent to the Hexcels Site (Figure 4). The sediment sampling locations corresponded with the seven surface water sampling locations approved by NJDEP,

as discussed above. The remaining eight stations, designated "HA-SED-8" through "HA-SED-15", were located upstream and downstream from the storm sewer outfall (Figure 5), and were used to delineate the extent of contamination detected in October 1997.

The sampling program was conducted during a period of low stream water levels to expose depositional environments, as discussed in the previous section. At each AOC, downstream samples were collected first, followed by subsequent upstream samples. Each sampling station was located near the river bank in a location of minimal stream flow. Localized depositional areas were targeted as sampling locations but were limited in the Site vicinity. The location of the storm sewer outfall was documented using a GPS unit. Sample locations were documented by taping off distances along the riverbank from the storm sewer outfall and other fixed site features.

The sampling conditions of the Saddle River's sediment proved difficult. Significant gravels, cobbles, and hard materials were encountered at the river bottom. The large quantities of waste debris in the river contributed to the difficulty of the sampling conditions. As described above, Haley & Aldrich personnel observed refrigerators, porcelain toilets, automobile axles, tires, concrete block foundations, bricks, cinder blocks, and other household appliances and automotive parts. Refuse and litter were also observed in the river and along the river bank. Where possible, PVC was driven by hand as temporary casing to minimize influx of water and samples were collected using a stainless steel bucket auger. Hand coring devices and silver bullet samplers were unable to advance through the sediment with recovery. As we advised you during our telephone conversation on 4 August 2003, sediment samples at several locations were collected using a stainless steel spade due to the ineffectiveness of other sampling devices. This sampling device was most effective in advancing some borings to the desired sampling depth. Given the shallow slow-flowing waters, the samples are adequately representative of sediment conditions. Following the collection of each sample, the sampling device was decontaminated with Liquinox and distilled water.

Two sediment samples from each station were collected, with the exception of stations HA-SED-13 (three samples collected to a depth of 18 inches) and HA-SED-14 (four samples collected to a depth of 24 inches). The upper 6 inches at each location were sampled to evaluate potential ecological risks in the biotic zone. Deeper subsurface samples were collected to characterize historical discharges, if present, that may be overlain by more recent sediment deposits, and for vertical delineation. Hexcel proposed to collect a deeper sample from a depth of 12 to 18 inches at station HA-SED-12. However, due to the difficult sampling conditions caused by cobbles and hard materials at this location, Haley & Aldrich personnel were unable to recover a sediment sample below a depth of 12 inches.

In addition to the gravels, cobbles, and debris, coarse to fine sands were typically encountered at each station. One sample from station HA-SED-SW-7 was collected from native material (organic silt) at a depth of 6 to 12 inches from the top of sediment. The results of laboratory

particle size analysis confirmed our field observations. The gradation data are presented in Appendix C.

During the investigation activities in the storm sewer outfall area, Haley & Aldrich personnel observed a partially buried, 3-inch diameter metal pipe on the eastern bank of the river. A photograph of the pipe is included in Appendix B. The pipe ended approximately 4 feet from the river's edge directly to the east of sediment sampling station HA-SED-9 (Figure 5), and is located approximately 1,000 feet downstream of the Hexcelsite. Haley & Aldrich was unable to determine the origin of this pipe, which was oriented from east to west with the mouth pointing directly towards the river. The pipe may serve as a potential migration pathway from sources unrelated to the Hexcelsite to the Saddle River. Soils beneath the mouth of the pipe appeared dark and stained. Haley & Aldrich documented this pipe by taking photographs and collecting a surface (0 to 2 inches) soil sample (designated "PIPE") at the point of apparent discharge.

Thirty-three sediment samples collected at the two AOCs were submitted to STL in Edison, New Jersey for the following chemical analyses: PCBs, total organic carbon (TOC), and pH. In addition, fourteen sediment samples collected in the vicinity of the Hexcelsite were analyzed for VO+10 including dichlorobenzenes and acetone. The soil sample designated "PIPE" was analyzed for PCBs. Thirty sediment samples among both AOCs were submitted to Geotesting Services, Inc. in Totowa, New Jersey for particle size analysis by sieve testing.

Haley & Aldrich reviewed sediment quality data provided by Napp. The sediment samples were collected by ELM on behalf of Napp in March 2002. At one location adjacent to the Hexcelsite (ELM_SED-6), one sediment sample and a field duplicate were collected and analyzed for PCBs; the results are presented herein.

3. EVALUATION OF ANALYTICAL RESULTS

I. Hexcelsite

A. Surface Water Analytical Results

The results of the surface water sampling program indicate that surface water quality in the Saddle River adjacent to the Hexcelsite has not been significantly impacted by the potential migration of compounds of concern from the Site. Only one compound found at the Hexcelsite, chlorobenzene, was detected in recent surface water samples at concentrations below New Jersey Surface Water Quality Standards (SWQS) and Federal Ambient Water Quality Criteria (AWQC). Figure 4 presents analytical results for compounds detected in surface water samples. Recent surface water quality data are also summarized in Table I. Historical surface water quality data are provided in Appendix D (Table D-1) for informational purposes.

Volatile Organics

The majority of VO_s were not detected in surface water samples, and concentrations of detected VO_s found at the Site do not exceed SWQSs. In the surface water samples collected by Haley & Aldrich on 31 July 2003, only two VO_s (chlorobenzene and tetrachloroethene) were detected, both at relatively low concentrations (Table I and Figure 4). Only one of these compounds, chlorobenzene, is also found at the Site. The detections of chlorobenzene are below the SWQS and are limited to the vicinity of the source and downstream locations (HA-SED-SW-1 through HA-SED-SW-3).

Tetrachloroethene (PCE) results adjacent to source areas ranged from non-detect to low concentrations below the SWQS. PCE was detected at concentrations slightly above the SWQS upstream of the Site and the source areas. Station HA-SED-SW-3, which was located across from monitoring well MW-8 on Site, did not result in any detections of PCE in surface water samples; of all on-site wells along the Saddle River, MW-8 is closest to the source areas. Therefore, the presence of PCE is attributed to upstream sources other than the Hexcel Site.

Haley & Aldrich reviewed the results for surface water samples collected by ELM on behalf of Napp. One VO, cis-1,2-dichlorethene (cis-1,2-DCE), was detected at a low concentration in one of two duplicate surface water samples collected by ELM in March 2003. No SWQS or AWQC currently exists for cis-1,2-DCE; cis-1,2-DCE was not detected by Hexcel. The low concentration detected by Napp is not considered likely to pose harm to potential ecological receptors.

Therefore, VO_s are not considered to be compounds of concern in surface water, and no further assessment of VO_s in surface water is necessary.

Polychlorinated Biphenyls

PCBs were not detected in any of the seven surface water samples collected adjacent to the Hexcel Site (Table I and Figure 4). PCBs do not appear to be migrating from Site soils or groundwater to surface water in the Saddle River adjacent to the Hexcel Site. Therefore, PCBs are not considered to be compounds of concern in surface water, and no further assessment of PCBs in surface water is necessary.

Other Parameters

Dissolved oxygen (DO) levels did not exceed the SWQS in any of the five tested surface water samples, including upstream samples SW-6 and SW-7 (Table I). The measured pH values were within the range of SWQS values (Table I).

Based on these results, no further assessment of potential impacts to surface water quality in the Saddle River from the Hexcels Site is necessary for the following reasons:

- Surface water quality in the Saddle River adjacent to the Site does not appear to have been significantly impacted by the potential migration of compounds of concern from the Site.
- PCBs were not detected in any of the seven surface water samples collected along the Site.
- Only one site-related VO, chlorobenzene, was detected at low concentrations below the New Jersey Surface Water Quality Standard.
- Other parameters, including dissolved oxygen and pH, were within acceptable ranges.

B. Sediment Analytical Results

The results of the sediment sampling program indicate that sediments in the Saddle River adjacent to the Hexcels Site appear to be minimally impacted by the potential migration of compounds of concern from the Site. Figure 4 presents analytical results for compounds detected in sediment samples collected alongside the Hexcels Site. Recent sediment quality data at the Hexcels Site are summarized in Table II for VOs and Table III for PCBs. Historical sediment quality data are provided in Appendix Table D-2 (VOs) and Appendix Table D-3 (PCBs) for informational purposes.

Volatile Organics

A limited number of VOs were detected in recent sediment samples collected adjacent to the Hexcels Site (Table II and Figure 4). Detected VOs include benzene, chlorobenzene, dichlorobenzenes, ethylbenzene, and toluene. These results corroborate the results of Haley & Aldrich's 1998 river bed investigation. Cis-1,2-DCE was detected in one sediment sample collected upstream from the Site (at location HA-SED-SW-7 from 6 to 12 inches) and hence is considered to be unrelated to the Site.

NJDEP sediment quality standards have not been promulgated. NJDEP Freshwater Sediment Screening Guidelines (Province of Ontario Lowest Effects Levels) are not available for VOs. Detected results were compared with USEPA screening-level Sediment Quality Benchmarks (SQB). Two different USEPA SQB, both calculated based on equilibrium partitioning theory, were used for comparison purposes. Screening-level criteria are conservative and are not intended to be used as action levels. An exceedence of a screening value indicates the potential for but not

necessarily the presence of an ecological response. SQBs were adjusted for site-specific organic carbon content for each sample in which VOs were detected (Table II).

Exceedences of SQB are limited in extent to the vicinity of the source area. The highest VO levels were detected at sediment station HA-SED-SW-3, adjacent to monitoring well MW-8, which has historically exhibited elevated VO concentrations in groundwater (Table II). A river bed investigation conducted by Haley & Aldrich in 1998 involved conducted of nine test borings to a depth of approximately 6.5 to 7.0 feet below the river bed in the vicinity of station HA-SED-SW-3 (Figure 4). VOs were not detected in the sediment samples collected furthest from the Site (Appendix Table D-2).

Lower levels of VOs were detected primarily in surficial (0 to 6 inches) sediments at stations HA-SED-SW-1, HA-SED-SW-2 and HA-SED-SW-4 (Table II). VO results for sediment samples collected upstream of source areas (stations HA-SED-SW-5 through HA-SED-SW-7) did not exceed SQB (Table II). Therefore, the extent of VO contamination in sediments appears to be limited, both horizontally and vertically.

Based on these results, Hexcel proposes no further action with respect to VOs in sediments at the Hexcel Site for the following reasons:

- The extent of VO contamination in sediments is limited in extent and concentration.
- Based on the surface water quality data presented above, VOs in sediments are not discernibly migrating to surface water in the Saddle River.
- VOs generally do not adsorb strongly to sediments and volatilize readily into the atmosphere; as a result, VOs are not typically considered to be persistent in the environment. VOs do not readily bioaccumulate and do not tend to magnify in the food chain. Therefore, source removal on Site will result in decreasing VO concentrations in sediments over time.
- Hexcel is moving forward with the implementation of dual-phase extraction in the source areas. Therefore, concentrations of VOs on Site and, consequently, potential migration from the Site will decrease significantly with time.

Polychlorinated Biphenyls

PCBs were not detected in the majority of the sediment samples collected in the Saddle River adjacent to the Hexcel Site (Table III and Figure 4). PCBs were detected in only two of fourteen sediment samples, and only one sample showed an aroclor (1248) that is a Site compound of concern. Aroclor 1242, the primary PCB aroclor of concern at the Hexcel Site, was not detected in any of the fourteen sediment samples collected along

the Site. Therefore, Hexcel concludes that there are no complete migration pathways for PCBs from subsurface Site soils to the Saddle River.

Aroclor 1248, which has been detected in limited near surface soils on the Hexcel Site, was detected in a surficial (0 to 6 inches) sediment sample collected at station HA-SED-SW-1 (Table III). Although the Aroclor 1248 level in sample SED-1-0-6 (0.42 mg/kg) exceeds the NJDEP Freshwater Sediment Screening Guideline of 0.030 mg/kg, the detected Aroclor level is below the USEPA SQB (0.93 mg/kg) and Province of Ontario's Severe Effects Level (1.39 mg/kg), both adjusted for sample-specific organic carbon content, indicating that a site-specific screening value has not been exceeded, and that a severe adverse effect on benthic organisms is unlikely. The NJDEP screening value is not adjusted for site-specific organic carbon content.

Aroclor 1254, which is not a compound of concern at the Hexcel Site, was detected at station HA-SED-SW-5 upstream of source areas and is attributed to upstream sources unrelated to the Hexcel Site (Table III). The Saddle River has a long history of industrial use and numerous potential upstream sources of contamination. Historical sediment quality data for total PCBs collected by the U.S. Army Corps of Engineers demonstrate the ubiquitous presence of PCBs in the Saddle River, both upstream and downstream from the Site (Appendix Table D-5).

Based on these results, Hexcel proposes no further action with respect to PCBs in sediments at the Hexcel Site for the following reasons:

- Aroclor 1242, the primary PCB aroclor of concern, was not detected in any of the fourteen sediment samples collected along the Site.
- The extent of Aroclor 1248 detections adjacent to the Site is limited to one sediment sample with relatively low concentrations below a site-specific Sediment Quality Benchmark.
- There is no significant migration of PCBs off Site, and no adverse impacts from site-related PCBs are anticipated in the Saddle River.

II. Storm Sewer Outfall

C. Sediment Analytical Results

Additional sediment sampling conducted in the vicinity of the storm sewer outfall has resulted in improved delineation and indicates significantly lower levels of PCBs than those detected in 1997. PCBs were not detected in any of the surficial (0 to 6 inches) sediment samples collected by Haley & Aldrich on 30 July 2003. Furthermore, PCBs were not detected at stations HA-SED-9, HA-SED-10, or HA-SED-12, which were

conducted to evaluate the highest PCB level previously detected at location S1. PCBs are considered to be the only Site-related compound of concern near the storm sewer outfall. Figure 5 presents the analytical results for compounds detected in sediment samples collected near the storm sewer outfall. Recent sediment quality data at the storm sewer outfall are also summarized in Table IV. Historical sediment quality data, including October 1997 results, are provided in Appendix Table D-4 for informational purposes.

Based on the recent sediment quality results, the PCB contamination detected in the vicinity of the outfall is limited in extent (Figure 5). Aroclor 1242, the primary PCB aroclor of concern at the Hexcel Site, the industrial sewer, and possibly the storm sewer, was detected in only three of twenty samples, at stations HA-SED-8 (6 to 12 inches), HA-SED-13 (6 to 12 inches), and HA-SED-14 (18 to 24 inches). These three locations follow the eastern bank of the river directly downstream of the outfall and can be used to delineate the extent of aroclor 1242 contamination in sediments.

A NJDEP Freshwater Sediment Screening Guideline is not available for aroclor 1242 but exists for total PCBs. The detected results of aroclor 1242 exceed the NJDEP Sediment Screening Guideline for total PCBs (0.070 mg/kg), which is not adjusted for site-specific organic carbon content, as well as the USEPA SQB for aroclor 1242, adjusted for site-specific organic carbon content (Table IV). However, aroclor 1242 results are below the Province of Ontario's Severe Effects Level, adjusted for site-specific organic carbon content, indicating that a severe adverse effect on benthic organisms is unlikely.

In addition, a number of different aroclors unrelated to the Hexcel Site were detected during the July 2003 sampling event. Other PCB aroclors detected in the vicinity of the storm sewer outfall include aroclor 1248 (locations HA-SED-14 and HA-SED-15, both from 6-12 inches), aroclor 1232 (location HA-SED-13 from 12-18 inches), and aroclor 1262 (location HA-SED-11 from 6-12 inches). Aroclor 1248 has been detected in limited near surface soils on the Hexcel Site but was not detected in the industrial sewer and is not considered to be a Site compound of concern in the storm sewer. Aroclors 1232 and 1262 have not been detected in association with the Hexcel Site and are not considered to be compounds of concern. Therefore, the detection of these aroclors is considered to be unrelated to the Site and is attributed to other sources.

The results of the surface (0 to 2 inches) soil sample collected beneath the 3-inch diameter metal pipe of unknown source adjacent to station HA-SED-9 are presented in Table V and Figure 5. Two PCB aroclors, 1254 and 1260, were detected in the soil sample collected beneath the mouth of the pipe at a concentration of 0.41 mg/kg and 0.29 mg/kg, respectively. This further confirms contributions from sources unrelated to Hexcel.

These findings, combined with observations of large quantities of waste debris and refuse, suggest that there are numerous sources of various aroclors contributing to PCB levels in the Saddle River in the Site vicinity. The contributions of PCBs to the Saddle River from other upstream and downstream sources are evident in the U.S. Army Corps of Engineers historical sediment quality data set for Saddle River summarized in Appendix Table D-5.

Based on these results, Hexcel proposes no further action with respect to PCBs in sediments in the vicinity of the storm sewer outfall for the following reasons:

- The extent of sediment contamination at this AOC is considered to be adequately delineated.
- PCBs were not detected in any of the eight recent surficial sediment samples, which represent conditions in the biologically-active zone.
- Recent sampling of deeper subsurface sediments indicates significantly lower levels of PCBs than those detected in 1997.
- The extent of PCB contamination in subsurface sediments that is potentially related to the Site is limited in extent and concentration.
- Potential remedial action would be invasive and would cause adverse impacts to ecological receptors. There are numerous other sources contributing PCBs to the Saddle River, as indicated by the recent and historical sediment quality data sets. Therefore, the efficacy of potential remedial action would be limited, and the costs, including risk of harm to ecological receptors, would exceed the benefits.

III. Data Deliverables

Laboratory data summary sheets for the July 2003 sediment and surface water testing are included as Appendix E. Electronic Data Deliverables, in NJDEP-approved format, are provided as Appendix E (NJDEP-Copy only). The current version of the Electronic Data Submittal Application (EDSA Version 5.00.0001) was used to check the electronic data submission. The computer screen printout indicating that the files passed the EDSA check is also enclosed as Appendix E. Laboratory QA/QC results package is provided as separately bound volume (NJDEP-Copy only; STL Job Numbers L719, L720, and L759).

4. CONCLUSIONS AND RECOMMENDATIONS

In summary, our conclusions and recommendations based on the results of this sampling program are as follows:

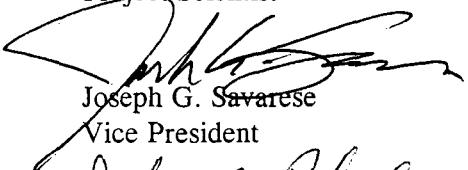
- Surface water quality in the Saddle River adjacent to the Site has not been adversely impacted by the potential migration of compounds of concern from the Site. Polychlorinated biphenyls (PCBs) were not detected in any of the surface water samples collected, and only one site-related volatile organic (VO), chlorobenzene, was detected at low concentrations below the New Jersey Surface Water Quality Standard.
- The extent of sediment contamination potentially related to the Site has been delineated.
- Detected concentrations of compounds of concern in sediment are limited in extent and concentration, and are not anticipated to cause adverse impacts to potential ecological receptors.
- Sediments in the Saddle River adjacent to the Hexcels Site are minimally impacted by the potential migration of compounds of concern from the Site. The extent of VO contamination in sediments is limited in extent and concentration, and VOs in sediments are not discernibly migrating to surface water. There is no significant migration of PCBs off Site, based on the non-detection of aroclor 1242, the primary PCB aroclor of concern, and the one detection of aroclor 1248 at relatively low concentrations below a site-specific Sediment Quality Benchmark.
- Additional sediment sampling conducted in the vicinity of the storm sewer outfall has resulted in delineation of contamination and indicates significantly lower levels of PCBs than those detected in 1997. PCBs were not detected in any of the recent surficial sediment samples, which represent conditions in the biologically-active zone, and recent sampling of deeper subsurface sediments indicates that the extent of potentially Site-related contamination in sediments is limited in both extent and concentration.
- Hexcels is moving forward with the implementation of dual-phase extraction in the source areas, and removal of other on-site sources of contamination. These include the completion of surficial PCBs removal, the removal of the industrial sewer, and the installation of a subsurface sheet pile barrier around some source areas. Therefore, concentrations of compounds of concern on Site and, consequently, potential migration from the Site will decrease significantly with time.
- Potential remedial action would be invasive and would cause adverse impacts to ecological receptors. There are numerous other sources contributing PCBs to the Saddle River, as indicated by the recent and historical sediment quality data sets. Therefore, the efficacy of potential remedial action would be limited, and the costs, including risk of harm to ecological receptors, would exceed the benefits.

New Jersey Department of Environmental Protection
08 October 2003
Page 15

Please do not hesitate to contact us if you have any questions regarding this Report.

Sincerely yours,
HALEY & ALDRICH, INC.


Jenny Liu
Project Scientist


Joseph G. Savarese
Vice President


John A. Rhodes, P.E.

Vice President

c: Hexcel Corporation; Attn: A. William Nosil
Norris McLaughlin & Marcus, PA; Attn: Edward A. Hogan, Esq.



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REFERENCES

1. Environmental Liability Management, Inc., *Ecological Assessment Report for the Property Located at 199 Main Street, Lodi, NJ, ISRA Case No. 95400*, Prepared for Purdue Pharma Technologies, December 30, 2002.
2. Jones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*, Oak Ridge National Laboratory, November 1997.
3. New Jersey Department of Environmental Protection, *Guidance for Sediment Quality Evaluations*, November 1998.

List of Tables, Figures and Appendices

Tables

- Table I – Summary of Surface Water Quality Data
- Table II – Summary of Sediment Quality Data: Volatile Organics at Hexcel Site
- Table III – Summary of Sediment Quality Data: Polychlorinated Biphenyls at Hexcel Site
- Table IV – Summary of Sediment Quality Data: Polychlorinated Biphenyls at Storm Sewer Outfall
- Table V – Summary of Soil Quality Data: Polychlorinated Biphenyls at Pipe

Figures

- Figure 1 – Aerial Photograph and July 2003 Sample Locations: Saddle River
- Figure 2 – Site Plan
- Figure 3 – U.S. Geological Survey Stream Flow Data: Saddle River at Lodi, NJ
- Figure 4 – Sediment and Surface Water Sample Locations and Detected Results (July 2003): Hexcel Site
- Figure 5 – Sediment Sample Locations and Detected Results (July 2003): Storm Sewer Outfall

Appendices

- Appendix A – Copy of NJDEP's letters dated 19 March 2003 and 19 May 2003
- Appendix B – Photographs
- Appendix C – Sediment Particle Size Analysis Results
- Appendix D – Historical Data Tables
 - Table D-1 – Historical Surface Water Quality Data
 - Table D-2 – Historical Sediment Quality Data: Volatile Organics at Hexcel Site
 - Table D-3 – Historical Sediment Quality Data: Polychlorinated Biphenyls at Hexcel Site
 - Table D-4 – Historical Sediment Quality Data: Polychlorinated Biphenyls at Storm Sewer Outfall
 - Table D-5 – Historical Sediment Quality Data: Polychlorinated Biphenyls in the Saddle River
- Appendix E – Laboratory Data Summary Sheets, Electronic Data Deliverable Diskette and EDSA Check

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Table I
Summary of Surface Water Quality Data
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID	New Jersey Surface Water Quality Standards for FW2 Waters	HA-SED-SW1 SW-1 7/31/2003 H&A 447510	HA-SED-SW2 SW-2 7/31/2003 H&A 447511	HA-SED-SW3 SW-3 7/31/2003 H&A 447512	HA-SED-SW4 SW-4 7/31/2003 H&A 447513	HA-SED-SW5 SW-5 7/31/2003 H&A 447514	HA-SED-SW6 SW-6 7/31/2003 H&A 447515	HA-SED-SW6 SW-600 (DUP) 7/31/2003 H&A 447517	HA-SED-SW7 SW-7 7/31/2003 H&A 447516	ELM_SW-6 ELM_SW-6 3/28/2002 ELM 341118	ELM_SW-6 ELM_SW-9 (DUP) 3/28/2002 ELM 341118					
Sample ID		Units	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Volatile Organics																
Chlorobenzene	ug/L	22.0	2.3	1.4	2.	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	0.5	0.4	
cis-1,2-Dichloroethene	ug/L	NA	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	U 0.2	0.3						
Tetrachloroethene	ug/L	0.388	0.3	0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	U 0.3	
Total VOs		NA	2.6	1.7	2.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.7	1.9	
PCBs	ug/L	—	U 0.2-0.3	U 0.2-0.3	U 0.2-0.3	U 0.2-0.3	U 0.2-0.3	U 0.2-0.3	NR	NR						
Dissolved Oxygen	mg/L	≥4.0	**	NR	NR	8.04	8.60	8.59	8.30	8.30	8.34	8.34	8.34	NA	NA	
pH	Standard	6.5-8.5	7.72	7.63	7.69	7.70	7.69	7.87	7.83	7.83	7.80	7.80	7.80	NA	NA	
Hardness	mg/L	NA	228	224	232	230	228	230	232	232	224	224	224	NA	NA	

Notes:

H&A - Haley & Aldrich, Inc.

Samples ELM SW-6 and ELM SW-9 were collected by Environmental Liability Management, Inc. (ELM) for Napp Technologies, Inc.

The "EL M." prefix was added to ELM's sample designations by Haley & Aldrich, Inc.

NA - Not available

NA - Not available.

II - The compound was not detected at the indicated concentration

— Not applicable (compound was not detected)

New Jersey Surface Water Quality Standards (SWQS) from N.J.A.C. 7:9B-1.14(c)

SWOS listed above are carcinogenic effect-based human health criteria.

*: Federal Ambient Water Quality Criteria is less than New Jersey SWQS and hence listed.

** SWOS for EW2-NT (nontrout) Waters: 24 hour average dissolved oxygen no less than

Indicates value exceeds New Jersey Surface Water Quality Standards for FW2 Waters.

Dissolved oxygen was measured in the field immediately after sample collection using a hand-held Dissolved Oxygen meter.

Dissolved oxygen was measured in the field immediately after sample collection using a hand-held Dissolved Oxygen meter.

Table II**Summary of Sediment Quality Data****Volatile Organics at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (1% TOC)	EPA OSWER Ecotox Thresholds (1% TOC)	HA-SED-SW-1 SED-1-0-6 7/31/03 0.0 - 6.0 H&A 447496	Sediment Quality Benchmarks Sample SED-1-0-6 (adjusted for TOC)		HA-SED-SW-1 SED-1-6-12 7/31/03 6.0 - 12.0 H&A 447497	Sediment Quality Benchmarks Sample SED-1-6-12 (adjusted for TOC)		HA-SED-SW-2 SED-2-0-6 7/31/03 0.0 - 6.0 H&A 447498	Sediment Quality Benchmarks Sample SED-2-0-6 (adjusted for TOC)		
			Result	MDL	EqP	Ecotox	Result	MDL	EqP	Ecotox	Result	MDL
Targeted VOs												
Benzene	mg/kg		0.16	0.057	U	0.25	0.148	0.053	0.15	J	NA	0.002
Chlorobenzene	mg/kg		0.41	0.82	3.3		0.38	0.759	0.81	J	NA	0.031
1,2-Dichlorobenzene	mg/kg		0.33	0.34	0.15	J	0.306	0.315	U	0.9	NA	0.013
1,3-Dichlorobenzene	mg/kg		1.7	1.7	U	1.2	1.574	1.574	U	0.9	NA	0.063
1,4-Dichlorobenzene	mg/kg		0.34	0.35	0.28	J	0.315	0.324	U	0.9	NA	0.013
cis-1,2-Dichloroethene	mg/kg		NA	NA	NA	U	1.2	NA	NA	U	0.9	NA
Ethylbenzene	mg/kg		0.089	3.6	U	0.99	0.082	3.334	U	0.72	NA	0.134
Toluene	mg/kg		0.050	0.67	U	1.2	0.046	0.62	U	0.9	NA	0.025
Non-Targeted VOs												
Total VOs	mg/kg		NA	NA	U		NA	NA	U		NA	NA
TOC	mg/kg		NA	NA	NA	9260	NA	NA	372	NA	NA	7980
TOC	%		NA	NA	NA	0.926	NA	NA	0.0372	NA	NA	0.798

Notes:

H&A - Haley & Aldrich, Inc.

NA - Not available.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks and
EPA OSWER Ecotox Thresholds (Sediment Quality Benchmarks) fromJones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*, Oak Ridge National Laboratory, November 1997.

* EqP and Ecotox values in mg/kg organic carbon.

Default EqP and Ecotox values are calculated assuming 1% TOC.

Site-specific EqP and Ecotox values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

The EqP methodology is not appropriate for sediments with <0.2% TOC.

Ontario Provincial Sediment Quality Guidelines, the freshwater sediment screening guidelines recommended in NJDEP *Guidance for Sediment Quality Evaluations*, November 1998, are not available for volatile organics.

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Table II
Summary of Sediment Quality Data
Volatile Organics at Hexcel Site
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (1% TOC)	EPA OSWER Ecotox Thresholds (1% TOC)	HA-SED-SW-2 SED-2-6-12 7/31/03 6.0 - 12.0 H&A 447499	HA-SED-SW-3 SED-3-0-6 7/31/03 0.0 - 6.0 H&A 447500	Sediment Quality Benchmarks Sample SED-3-0-6 (adjusted for TOC)	HA-SED-SW-3 SED-3-6-12 7/31/03 6.0 - 12.0 H&A 447501	Sediment Quality Benchmarks Sample SED-3-6-12 (adjusted for TOC)
Units*			Result MDL	Result MDL	EqP Ecotox	Result MDL	EqP Ecotox
<u>Targeted VOs</u>							
Benzene	mg/kg	0.16	0.057	U 0.15	0.18	0.064 0.023	0.25
Chlorobenzene	mg/kg	0.41	0.82	U 0.76	16.	0.165 0.33	20.
1,2-Dichlorobenzene	mg/kg	0.33	0.34	U 0.76	0.46 J	0.133 0.137	1.4
1,3-Dichlorobenzene	mg/kg	1.7	1.7	U 0.76	0.057 J	0.685 0.685	0.083 J
1,4-Dichlorobenzene	mg/kg	0.34	0.35	U 0.76	0.47 J	0.137 0.141	0.59 J
cis-1,2-Dichloroethene	mg/kg	NA	NA	U 0.76	U 0.75	NA NA	U 0.8
Ethylbenzene	mg/kg	0.089	3.6	U 0.61	0.2 J	0.036 1.451	0.32 J
Toluene	mg/kg	0.050	0.67	U 0.76	0.18 J	0.02 0.27	0.37 J
<u>Non-Targeted VOs</u>							
Total VOs	mg/kg	NA	NA	U	U	NA NA	U
TOC	mg/kg	NA	NA	NA 958	17.547	NA NA	23.013
TOC	%	NA	NA	NA 0.0958	4030	NA NA	3530
					NA NA	NA NA	NA NA

Notes:

H&A - Haley & Aldrich, Inc.

NA - Not available.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks and EPA OSWER Ecotox Thresholds (Sediment Quality Benchmarks) from Jones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*, Oak Ridge National Laboratory, November 1997.

* EqP and Ecotox values in mg/kg organic carbon.

Default EqP and Ecotox values are calculated assuming 1% TOC.

Site-specific EqP and Ecotox values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results. The EqP methodology is not appropriate for sediments with <0.2% TOC.

Ontario Provincial Sediment Quality Guidelines, the freshwater sediment screening guidelines recommended in NJDEP Guidance for Sediment Quality Evaluations, November 1998, are not available for volatile organics.

Table II**Summary of Sediment Quality Data****Volatile Organics at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (1% TOC)	EPA OSWER Ecotox Thresholds (1% TOC)	HA-SED-SW-4 SED-4-0-6 7/31/03 0.0 - 6.0 H&A 447502	Sediment Quality Benchmarks Sample SED-4-0-6 (adjusted for TOC)	HA-SED-SW-4 SED-4-6-12 7/31/03 6.0 - 12.0 H&A 447503	Sediment Quality Benchmarks Sample SED-4-6-12 (adjusted for TOC)	HA-SED-SW-5 SED-5-0-6 7/31/03 0.0 - 6.0 H&A 447504	HA-SED-SW-5 SED-5-6-12 7/31/03 6.0 - 12.0 H&A 447505	Sediment Quality Benchmarks Sample SED-5-6-12 (adjusted for TOC)				
Targeted VOs													
Benzene	mg/kg	0.16	0.057	U 0.15	0.032 0.012	U 0.15	NA 0.008	U 0.17	U 0.16	0.235 0.084			
Chlorobenzene	mg/kg	0.41	0.82	1.8	0.083 0.166	0.79	NA 0.112	U 0.84	J 0.28	0.603 1.205			
1,2-Dichlorobenzene	mg/kg	0.33	0.34	0.071 J	0.067 0.069	U 0.74	NA 0.047	U 0.84	U 0.79	0.485 0.5			
1,3-Dichlorobenzene	mg/kg	1.7	1.7	U 0.75	0.345 0.345	U 0.74	NA 0.233	U 0.84	U 0.79	2.499 2.499			
1,4-Dichlorobenzene	mg/kg	0.34	0.35	0.073 J	0.069 0.071	U 0.74	NA 0.048	U 0.84	U 0.79	0.5 0.515			
cis-1,2-Dichloroethene	mg/kg	NA	NA	U 0.75	NA NA	U 0.74	NA NA	U 0.84	U 0.79	NA NA			
Ethylbenzene	mg/kg	0.089	3.6	U 0.6	0.018 0.731	U 0.59	NA 0.493	U 0.67	U 0.64	0.131 5.292			
Toluene	mg/kg	0.050	0.67	U 0.75	0.01 0.136	U 0.74	NA 0.092	U 0.84	U 0.79	0.074 0.985			
Non-Targeted VOs													
Total VOs	mg/kg	NA	NA	U	NA NA	U	NA NA	U	U	NA NA			
TOC	mg/kg	NA	NA	NA	2030	NA NA	1370	NA NA	2670	14700	NA NA		
TOC	%	NA	NA	NA	0.203	NA NA	0.137	NA NA	0.267	1.47	NA NA		

Notes:

H&A - Haley & Aldrich, Inc.

NA - Not available.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks and EPA OSWER Ecotox Thresholds (Sediment Quality Benchmarks) from Jones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*, Oak Ridge National Laboratory, November 1997.

* EqP and Ecotox values in mg/kg organic carbon.

Default EqP and Ecotox values are calculated assuming 1% TOC.

Site-specific EqP and Ecotox values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results. The EqP methodology is not appropriate for sediments with <0.2% TOC.

Ontario Provincial Sediment Quality Guidelines, the freshwater sediment screening guidelines recommended in NJDEP Guidance for Sediment Quality Evaluations, November 1998, are not available for volatile organics.

Table II
Summary of Sediment Quality Data
Volatile Organics at Hexcel Site
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (1% TOC)	EPA OSWER Ecotox Thresholds (1% TOC)	HA-SED-SW-6 SED-6-0-6 7/31/03 0.0 - 6.0 H&A 447506	HA-SED-SW-6 SED-6-6-12 7/31/03 6.0 - 12.0 H&A 447507	HA-SED-SW-7 SED-7-0-6 7/31/03 0.0 - 6.0 H&A 447508	HA-SED-SW-7 SED-7-6-12 7/31/03 6.0 - 12.0 H&A 447509	Sediment Quality Benchmarks Sample SED-7-6-12 (adjusted for TOC)	NA TripBlank 7/30/03 H&A 447518
Units*			Result MDL	Result MDL	Result MDL	Result MDL	EqP Ecotox	Result MDL
Targeted VOs								
Benzene	mg/kg	0.16	0.057	U 0.15	U 0.16	U 0.18	U 0.16	0.723 0.258 U 0.12
Chlorobenzene	mg/kg	0.41	0.82	U 0.77	U 0.8	U 0.88	U 0.8	1.853 3.706 U 0.62
1,2-Dichlorobenzene	mg/kg	0.33	0.34	U 0.77	U 0.8	U 0.88	U 0.8	1.492 1.537 U 0.62
1,3-Dichlorobenzene	mg/kg	1.7	1.7	U 0.77	U 0.8	U 0.88	U 0.8	7.684 7.684 U 0.62
1,4-Dichlorobenzene	mg/kg	0.34	0.35	U 0.77	U 0.8	U 0.88	U 0.8	1.537 1.582 U 0.62
cis-1,2-Dichloroethene	mg/kg	NA	NA	U 0.77	U 0.8	U 0.88	0.16 J 0.8	NA NA U 0.62
Ethylbenzene	mg/kg	0.089	3.6	U 0.61	U 0.64	U 0.7	U 0.64	0.402 16.272 U 0.5
Toluene	mg/kg	0.050	0.67	U 0.77	U 0.8	U 0.88	U 0.8	0.226 3.028 U 0.62
Non-Targeted VOs								
Total VOs	mg/kg	NA	NA	U	U	U	NA NA	U
TOC	mg/kg	NA	NA	NA 6020	12700	5260	45200	NA NA NR
TOC	%	NA	NA	NA 0.602	1.27	0.526	4.52	NA NA NR

Notes:

H&A - Haley & Aldrich, Inc.

NA - Not available.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks and
EPA OSWER Ecotox Thresholds (Sediment Quality Benchmarks) from
Jones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*,
Oak Ridge National Laboratory, November 1997.

* EqP and Ecotox values in mg/kg organic carbon.

Default EqP and Ecotox values are calculated assuming 1% TOC.

Site-specific EqP and Ecotox values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

The EqP methodology is not appropriate for sediments with <0.2% TOC.

Ontario Provincial Sediment Quality Guidelines, the freshwater sediment screening guidelines recommended in *NJDEP Guidance for Sediment Quality Evaluations*, November 1998, are not available for volatile organics.

Table III**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID	NJDEP Freshwater Sediment Screening	EPA Equilibrium Partitioning (EqP) Sediment Guidelines	Ontario Severe Effects Quality Level (SEL)	HA-SED-SW-1 SED-1-0-6 7/31/2003	Sediment Quality Benchmarks		HA-SED-SW-1 SED-1-6-12 7/31/2003	HA-SED-SW-2 SED-2-0-6 7/31/2003	HA-SED-SW-2 SED-2-6-12 7/31/2003		
Sample ID	Ontario Lowest Effects Level (LEL)	Lowest Effects Benchmarks (1% TOC)	447496	(adjusted for TOC)		447497	447498	447499			
Sample Date	Units*			Result	MDL	EqP	SEL	Result	MDL	Result	MDL
PCBs											
Aroclor-1248	mg/kg	0.030	1.0	150.	0.42	0.93	1.39	U	0.09	U	0.091
Aroclor-1254	mg/kg	0.060	0.81	34.	U	0.75	0.31	U	0.09	U	0.091
Total PCBs	mg/kg	0.070	NA	530.	0.42	NA	4.91	U		U	
TOC	mg/Kg	NA	NA	NA	9260	NA	NA	372		7980	958
TOC	%	NA	NA	NA	0.926	NA	NA	0.0372		0.798	0.0958
pH		NA	NA	NA	7.51	NA	NA	7.63		7.15	7.25

Notes:

H&A - Haley & Aldrich, Inc.

Samples ELM_SED-6 and ELM_SED-9 were collected by Environmental Liability Management, Inc. (ELM) for Napp Technologies, Inc.

The "ELM_" prefix was added to ELM's sample designations by H&A.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

NJDEP recommends use of the Ontario Lowest Effects Level (LEL) as freshwater sediment screening guidelines.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision, Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

HALEY & ALDRICH, INC.

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Table III**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID	NJDEP Freshwater Sediment Screening Guidelines	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks	Ontario Severe Effects Level (SEL)	HA-SED-SW-3 SED-3-0-6 7/31/2003	HA-SED-SW-3 SED-3-6-12 7/31/2003	HA-SED-SW-4 SED-4-0-6 7/31/2003	HA-SED-SW-4 SED-4-6-12 7/31/2003						
Sample ID	Sample Date	Sample Depth (inches)	Collected By	Laboratory ID	Units*	Result	MDL	Result	MDL	Result	MDL	Result	MDL
PCBs													
Aroclor-1248	mg/kg		0.030	1.0	150.	U	0.089	U	0.091	U	0.082	U	0.088
Aroclor-1254	mg/kg		0.060	0.81	34.	U	0.089	U	0.091	U	0.082	U	0.088
Total PCBs	mg/kg		0.070	NA	530.	U		U		U		U	
TOC	mg/Kg		NA	NA	NA	4030		3530		2030		1370	
TOC	%		NA	NA	NA	0.403		0.353		0.203		0.137	
pH			NA	NA	NA	7.17		7.39		7.13		7.12	

Notes:

H&A - Haley & Aldrich, Inc.

Samples ELM_SED-6 and ELM_SED-9 were collected by Environmental Liability Management, Inc. (ELM) for Napp Technologies, Inc.

The "ELM_" prefix was added to ELM's sample designations by H&A.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

NJDEP recommends use of the Ontario Lowest Effects Level (LEL) as freshwater sediment screening guidelines.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision, Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

Table III**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID	NJDEP Freshwater Sediment Screening Guidelines	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks	Ontario Severe Effects Level (SEL)	HA-SED-SW-5 SED-5-0-6 7/31/2003	Sediment Quality Benchmarks		HA-SED-SW-5 SED-5-6-12 7/31/2003	HA-SED-SW-6 SED-6-0-6 7/31/2003	HA-SED-SW-6 SED-6-6-12 7/31/2003
Sample Date Sample Depth (inches)	Ontario	Quality	0 - 6	Sample	6 - 12		0 - 6	6 - 12	
Collected By Laboratory ID	Lowest Effects Level (LEL)	(1% TOC)	H&A	SED-5-0-6 (adjusted for TOC)	H&A	H&A	H&A	H&A	
Units*				Result	MDL	EqP	SEL	Result	MDL
PCBs									
Aroclor-1248	mg/kg	0.030	1.0	150.	U 0.09	0.27	0.4	U 0.088	U 0.086
Aroclor-1254	mg/kg	0.060	0.81	34.	0.49	0.22	0.09	U 0.088	U 0.086
Total PCBs	mg/kg	0.070	NA	530.	0.49	NA	1.42	U	U
TOC	mg/Kg	NA	NA	NA	2670	NA	NA	14700	6020
TOC	%	NA	NA	NA	0.267	NA	NA	1.47	0.602
pH		NA	NA	NA	7.35	NA	NA	7.06	7.66
									7.54

Notes:

H&A - Haley & Aldrich, Inc.

Samples ELM_SED-6 and ELM_SED-9 were collected by Environmental Liability Management, Inc. (ELM) for Napp Technologies, Inc.

The "ELM_" prefix was added to ELM's sample designations by H&A.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

NJDEP recommends use of the Ontario Lowest Effects Level (LEL) as freshwater sediment screening guidelines.

Ontario Severe Effects Levels (SELS) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of

Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision,

Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

Table III
Summary of Sediment Quality Data
Polychlorinated Biphenyls at Hexcel Site
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID	NJDEP Freshwater Sediment Screening	EPA Equilibrium Partitioning (EqP) Sediment	Ontario Severe Effects	HA-SED-SW-7 SED-7-0-6	HA-SED-SW-7 SED-7-6-12	ELM_SED-6 ELM_SED-6	ELM_SED-6 ELM_SED-9 (DUP)
Sample ID	Guidelines	Quality	Level	7/31/2003	7/31/2003	3/28/2002	3/28/2002
Sample Date	Ontario	Benchmarks	(SEL)	0 - 6	6 - 12	0 - 6	0 - 6
Sample Depth (inches)	Lowest Effects		H&A	H&A	H&A	ELM	ELM
Collected By	Level (LEL)	(1% TOC)	(1% TOC)	447508	447509	341091	341092
Units*				Result	MDL	Result	MDL
PCBs							
Aroclor-1248	mg/kg	0.030	1.0	150.	U 0.11	U 0.098	U 0.089
Aroclor-1254	mg/kg	0.060	0.81	34.	U 0.11	U 0.098	U 0.089
Total PCBs	mg/kg	0.070	NA	530.	U	U	U
TOC	mg/Kg	NA	NA	NA	5260	45200	NR
TOC	%	NA	NA	NA	0.526	4.52	NR
pH		NA	NA	NA	7.02	7.11	NR

Notes:

H&A - Haley & Aldrich, Inc.

Samples ELM_SED-6 and ELM_SED-9 were collected by Environmental Liability Management, Inc. (ELM) for Napp Technologies, Inc.

The "ELM_" prefix was added to ELM's sample designations by H&A.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

NJDEP recommends use of the Ontario Lowest Effects Level (LEL) as freshwater sediment screening guidelines.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision, Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

HALEY & ALDRICH, INC.

G:\Data\Hexcel\Sediment\ReportDEP_08Oct2003\ALL DATA

Table IV**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Storm Sewer Outfall****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID	NJDEP Freshwater Sediment Screening Guidelines	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks	Ontario Effects Level (SEL)	HA-SED-8 SED-8-0-6 7/30/2003	HA-SED-8 SED-8-6-12 7/30/2003	Sediment Quality Benchmarks	HA-SED-9 SED-9-0-6 7/30/2003	HA-SED-9 SED-9-6-12 7/30/2003	HA-SED-10 SED-10-0-6 7/30/2003	HA-SED-10 SED-10-6-12 7/30/2003	
Sample Date	Ontario		0 - 6	6 - 12		Sample	0 - 6	6 - 12	0 - 6	6 - 12	
Sample Depth (inches)	Lowest Effects Level (LEL)	(1% TOC)	H&A	H&A		SED-8-6-12 (adjusted for TOC)	H&A	H&A	H&A	H&A	
Collected By				447231	447232		447233	447234	447235	447236	
Laboratory ID											
Units*				Result	MDL	Result	MDL	EqP	SEL	Result	MDL
PCBs											
Aroclor-1232	mg/kg	NA	0.60	NA	U 0.09	U 0.86	0.15	NA	U 0.1	U 0.093	U 0.086
Aroclor-1242	mg/kg	NA	0.17	NA	U 0.09	0.52	0.04	NA	U 0.1	U 0.093	U 0.086
Aroclor-1248	mg/kg	0.030	1.0	150	U 0.09	U 0.86	0.26	0.38	U 0.1	U 0.093	U 0.086
Aroclor-1262	mg/kg	NA	NA	NA	U 0.09	U 0.86	NA	NA	U 0.1	U 0.093	U 0.086
Total PCBs	mg/kg	0.070	NA	530	U	0.52	NA	1.36	U	U	U
TOC	mg/Kg	NA	NA	NA	1220	2560	NA	NA	9790	2180	2940
TOC	%	NA	NA	NA	0.122	0.256	NA	NA	0.979	0.218	0.294
pH	Standard	NA	NA	NA	7.34	7.66	NA	NA	7.47	7.54	7.66
											7.68

Notes:

H&A - Haley & Aldrich, Inc.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

Ontario Severe Effects Levels (SELS) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision, Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

Table IV**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Storm Sewer Outfall****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	NJDEP Freshwater Sediment Screening Guidelines Ontario Lowest Effects Level (LEL)	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (SEL) (1% TOC)	Ontario Severe Effects Level (SEL) (1% TOC)	HA-SED-11 SED-11-0-6 7/30/2003	HA-SED-11 SED-11-6-12 7/30/2003	Sediment Quality Benchmarks Sample SED-11-6-12 (adjusted for TOC)	HA-SED-12 SED-12-0-6 7/30/2003	HA-SED-12 SED-12-6-12 7/30/2003
Units*				Result MDL	Result MDL	EqP SEL	Result MDL	Result MDL
PCBs								
Aroclor-1232	mg/kg	NA	0.60	NA	U 0.085	U 0.089	0.19	NA
Aroclor-1242	mg/kg	NA	0.17	NA	U 0.085	U 0.089	0.06	NA
Aroclor-1248	mg/kg	0.030	1.0	150	U 0.085	U 0.089	0.32	0.49
Aroclor-1262	mg/kg	NA	NA	NA	U 0.085	0.34	NA	NA
Total PCBs	mg/kg	0.070	NA	530	U	0.34	NA	1.72
TOC	mg/Kg	NA	NA	NA	3320	3240	NA	NA
TOC	%	NA	NA	NA	0.332	0.324	NA	NA
pH	Standard	NA	NA	NA	7.68	7.57	NA	NA
							7.88	7.68

Notes:

H&A - Haley & Aldrich, Inc.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision,

Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

Table IV**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Storm Sewer Outfall****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID	NJDEP Freshwater Sediment Screening Guidelines	EPA Equilibrium Partitioning (EqP) Sediment Quality Ontario Severity Effects Benchmarks	Ontario Severe Effects Level (SEL)	HA-SED-13 SED-13-0-6 7/30/2003	HA-SED-13 SED-13-6-12 7/30/2003	Sediment Quality Benchmarks	HA-SED-13 SED-13-12-18 7/30/2003	Sample SED-13-12-18 (adjusted for TOC)
Sample Date	Sample Depth (inches)	Ontario Quality Level (SEL)	0 - 6	6 - 12	Sample	12 - 18	12 - 18 H&A	SED-13-12-18 (adjusted for TOC)
Collected By Laboratory ID	Lowest Effects Level (LEL)	(1% TOC)	H&A	H&A	SED-13-6-12 (adjusted for TOC)	H&A	447239	447241
Units*				Result	MDL	Result	MDL	EqP SEL
PCBs				U 0.078	U 0.081	0.14	NA	0.43 0.1 NA
Aroclor-1232	mg/kg	NA	0.60	NA	U 0.078	0.72	0.04	NA U 0.098 0.03 NA
Aroclor-1242	mg/kg	NA	0.17	NA	U 0.078	U 0.081	0.23	0.35 U 0.098 0.17 0.25
Aroclor-1248	mg/kg	0.030	1.0	150	U 0.078	U 0.081	NA	NA U 0.098 NA NA
Aroclor-1262	mg/kg	NA	NA	NA	U 0.078	U 0.081	NA	NA U 0.098 NA NA
Total PCBs	mg/kg	0.070	NA	530	U	0.72	NA	1.22 0.43 NA 0.87
TOC	mg/Kg	NA	NA	NA	3290	2300	NA	NA 1650 NA NA
TOC	%	NA	NA	NA	0.329	0.23	NA	NA 0.165 NA NA
pH	Standard	NA	NA	NA	7.66	7.87	NA	NA 8.45 NA NA

Notes:

H&A - Haley & Aldrich, Inc.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

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Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision,

Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

Table IV

Summary of Sediment Quality Data

Polychlorinated Biphenyls at Storm Sewer Outfall

Saddle River

Hexcel Corporation

Lodi Borough, Bergen County, New Jersey

ISRA Case No. 86009

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	NJDEP Freshwater Sediment Screening Guidelines Ontario Lowest Effects Level (LEL)	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (SEL) (1% TOC)	Ontario Severe Effects Level (SEL) (1% TOC)	HA-SED-14 SED-14-0-6 7/30/2003	HA-SED-14 SED-14-6-12 7/30/2003	Sediment Quality Benchmarks Sample SED-14-6-12 (adjusted for TOC)	HA-SED-14 SED-14-12-18 7/30/2003	HA-SED-14 SED-14-18-24 7/30/2003	Sediment Quality Benchmarks Sample SED-14-18-24 (adjusted for TOC)
Units*				Result MDL	Result MDL	EqP SEL	Result MDL	Result MDL	EqP SEL
PCBs									
Aroclor-1232	mg/kg		NA	0.60	NA	U 0.088	U 0.078	0.19 NA	U 0.082 U 0.078
Aroclor-1242	mg/kg		NA	0.17	NA	U 0.088	U 0.078	0.05 NA	U 0.082 1.3
Aroclor-1248	mg/kg		0.030	1.0	150.	U 0.088	0.13	0.32 0.47	U 0.082 U 0.078
Aroclor-1262	mg/kg		NA	NA	NA	U 0.088	U 0.078	NA NA	U 0.082 U 0.078
Total PCBs	mg/kg		0.070	NA	530.	U	0.13	NA 1.67	U 1.3
TOC	mg/Kg		NA	NA	NA	7250	3160	NA NA	2580 5380
TOC	%		NA	NA	NA	0.725	0.316	NA NA	0.258 0.538
pH	Standard		NA	NA	NA	7.51	7.63	NA NA	7.72 7.76

Notes:

H&A - Haley & Aldrich, Inc.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

Ontario Severe Effects Levels (SELs) are provided for informational purposes.

Ontario guidelines for individual PCB Aroclors are tentative guidelines.

EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks from

Jones, D.S. et al, *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision*,

Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content,
are presented in the column to the right of detected sample results.

Table IV**Summary of Sediment Quality Data****Polychlorinated Biphenyls at Storm Sewer Outfall****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Location ID Sample ID Sample Date Sample Depth (inches) Collected By Laboratory ID	NJDEP Freshwater Sediment Screening Guidelines Ontario Lowest Effects Level (LEL)	EPA Equilibrium Partitioning (EqP) Sediment Quality Benchmarks (1% TOC)	Ontario Severe Effects Level (SEL) (1% TOC)	HA-SED-15 SED-15-0-6 7/30/2003	HA-SED-15 SED-15-6-12 7/30/2003	HA-SED-15 6 - 12 H&A 447249	HA-SED-15 6 - 12 H&A 447250	Sediment Quality Benchmarks Sample SED-15-6-12 (adjusted for TOC)	
Units*				Result	MDL	Result	MDL	EqP	SEL
PCBs									
Aroclor-1232	mg/kg	NA	0.60	NA	U 0.086	U 0.088	0.12	NA	
Aroclor-1242	mg/kg	NA	0.17	NA	U 0.086	U 0.088	0.03	NA	
Aroclor-1248	mg/kg	0.030	1.0	150.	U 0.086	0.87	0.2	0.3	
Aroclor-1262	mg/kg	NA	NA	NA	U 0.086	U 0.088	NA	NA	
Total PCBs	mg/kg	0.070	NA	530.	U	0.87	NA	NA	1.05
TOC	mg/Kg	NA	NA	NA	3380	1990	NA	NA	
TOC	%	NA	NA	NA	0.338	0.199	NA	NA	
pH	Standard	NA	NA	NA	7.67	7.6	NA	NA	

Notes:

H&A - Haley & Aldrich, Inc.

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

TOC - Total Organic Carbon.

Ontario Provincial Sediment Quality Guidelines from

NJDEP Guidance for Sediment Quality Evaluations, November 1988.

Ontario Severe Effects Levels (SELS) are provided for informational purposes.

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Jones, D.S. et al, Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision,

Oak Ridge National Laboratory, November 1997.

* LEL values in mg/kg dry weight. EqP and SEL values in mg/kg organic carbon.

Default EqP and SEL values are calculated assuming 1% TOC.

Site-specific EqP and SEL values, calculated based on the sample TOC content, are presented in the column to the right of detected sample results.

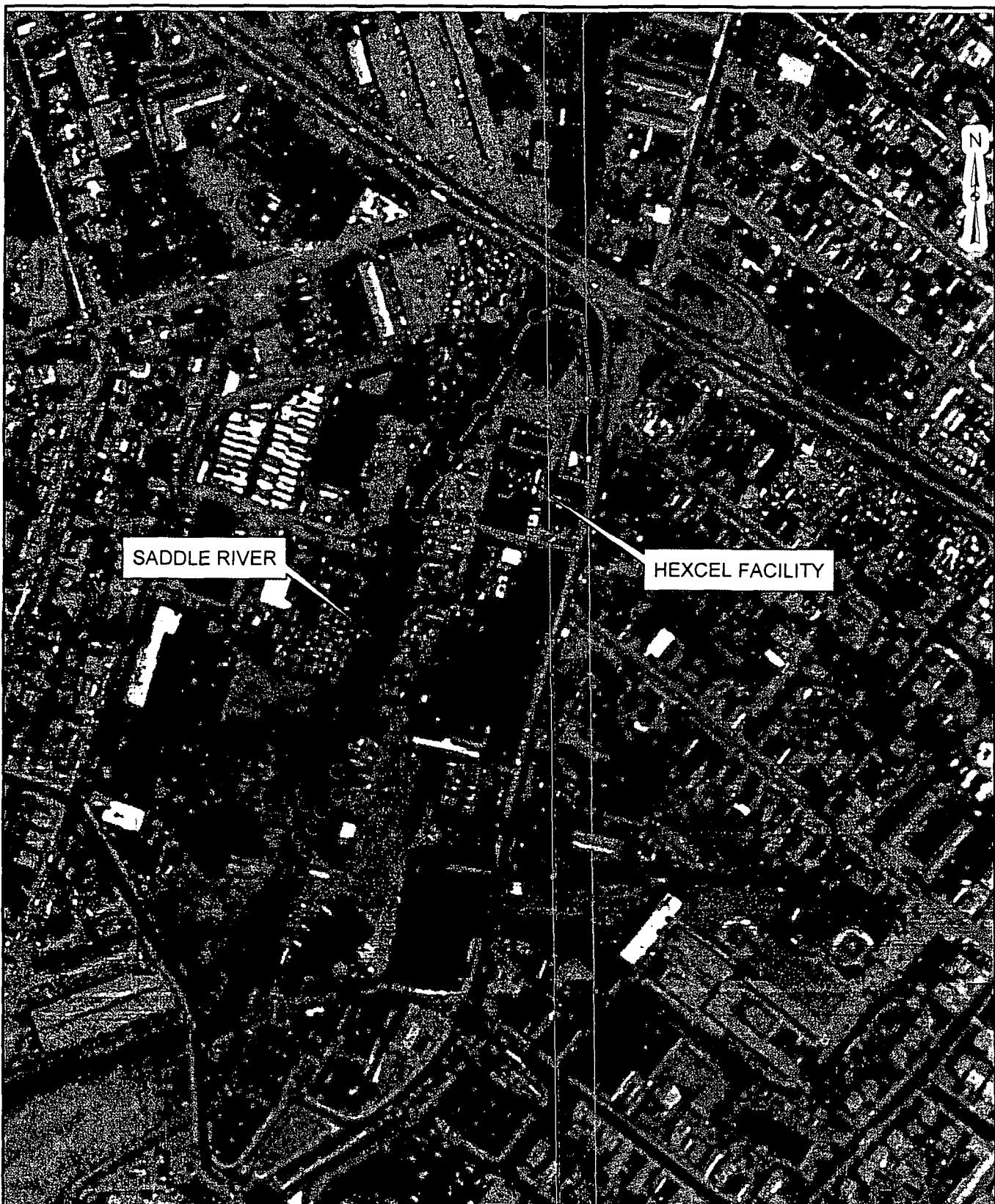
Table V
Summary of Soil Quality Data
Polychlorinated Biphenyls at Pipe
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID	PIPE near HA-SED-9		
Sample ID	PIPE		
Sample Date	7/30/2003		
Sample Depth (inches)	0 - 2		
Collected By	Haley & Aldrich		
Laboratory ID	447240		
	Units	Result	MDL
PCBs			
Aroclor-1254	mg/kg	0.41	
Aroclor-1260	mg/kg	0.29	
Total PCBs	mg/kg	0.7	

Note:

The soil sample was collected from stained surface soils below the mouth of a 3-inch diameter, partially buried metal pipe observed along the bank of the Saddle River to the east of sediment sampling location HA-SED-9.

The origin of the pipe is unknown.



0 210 420 840
SCALE IN FEET

SOURCE OF AERIAL PHOTO: TERRAIN
NAVIGATOR PRO VERSION 6.0, DATED 1994

NOTE:
SOME BUILDINGS HAVE BEEN DEMOLISHED
AND NO LONGER EXIST.



UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

HEXCEL FACILITY
LODI, NEW JERSEY

AERIAL PHOTOGRAPH AND JULY 2003
SAMPLE LOCATIONS: SADDLE RIVER

SCALE AS SHOWN

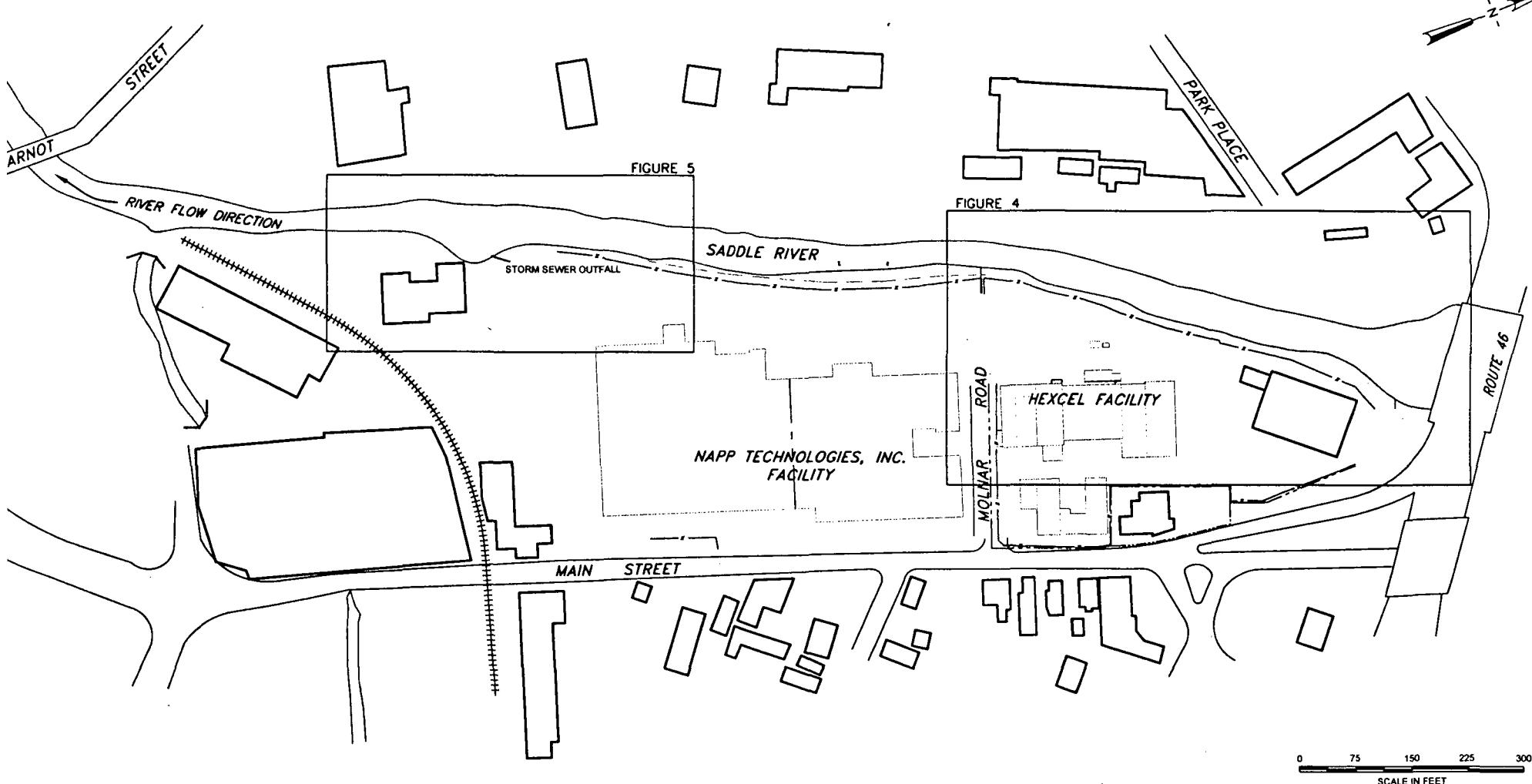
OCTOBER 2003

FIGURE 1

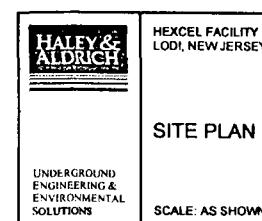
881880034

29756-013

881880035

NOTES:

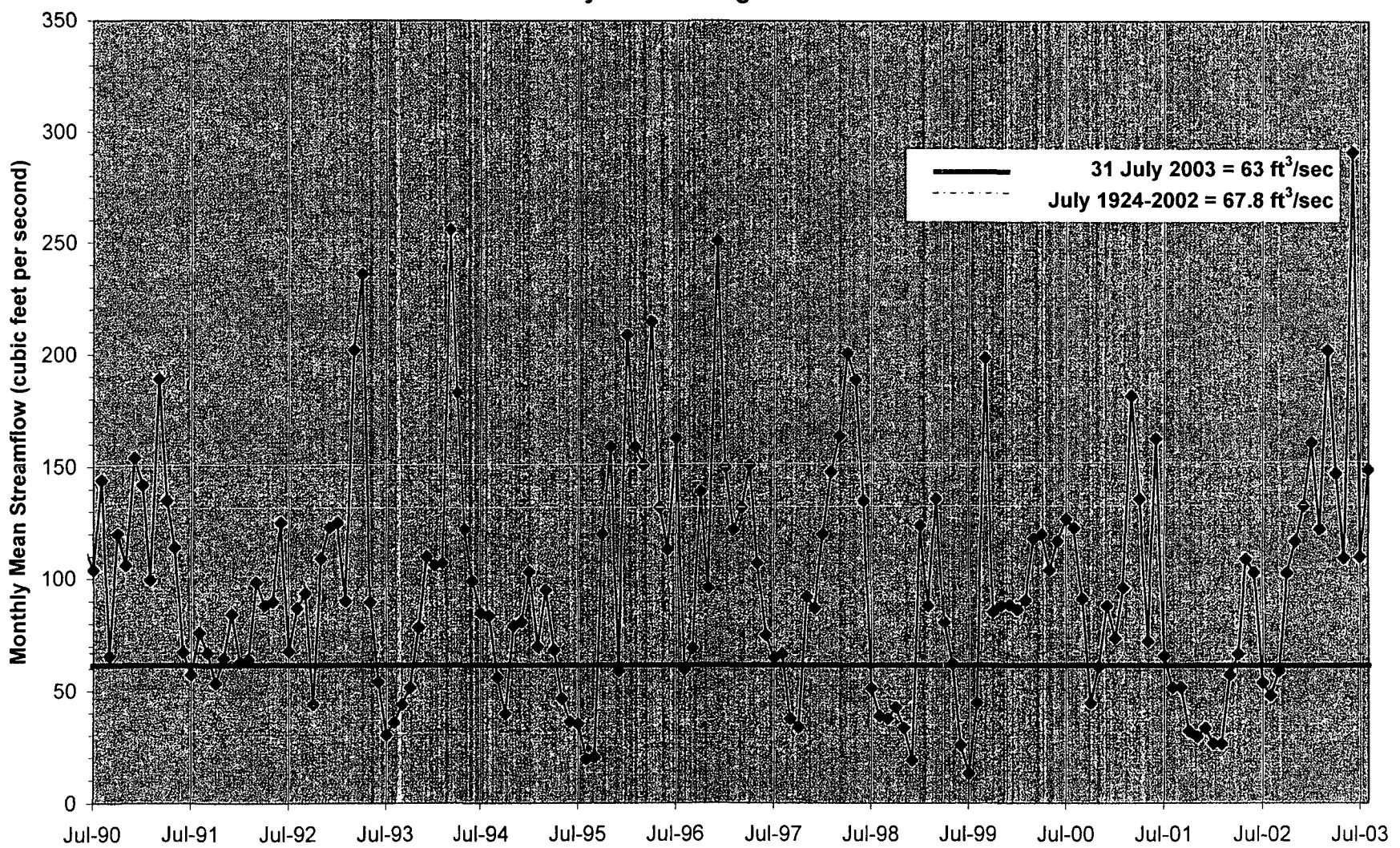
- 1.) BASE PLAN FROM "DELINEATION OF FLOODWAY AND FLOOD HAZARD AREA" BY THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES, PLATE No. 2, DATED FEBRUARY 1986.
- 2.) BUILDING LOCATIONS ARE APPROXIMATE.
- 3.) FORMER BUILDINGS, INDICATED WITH GRAY LINES, HAVE BEEN DEMOLISHED.



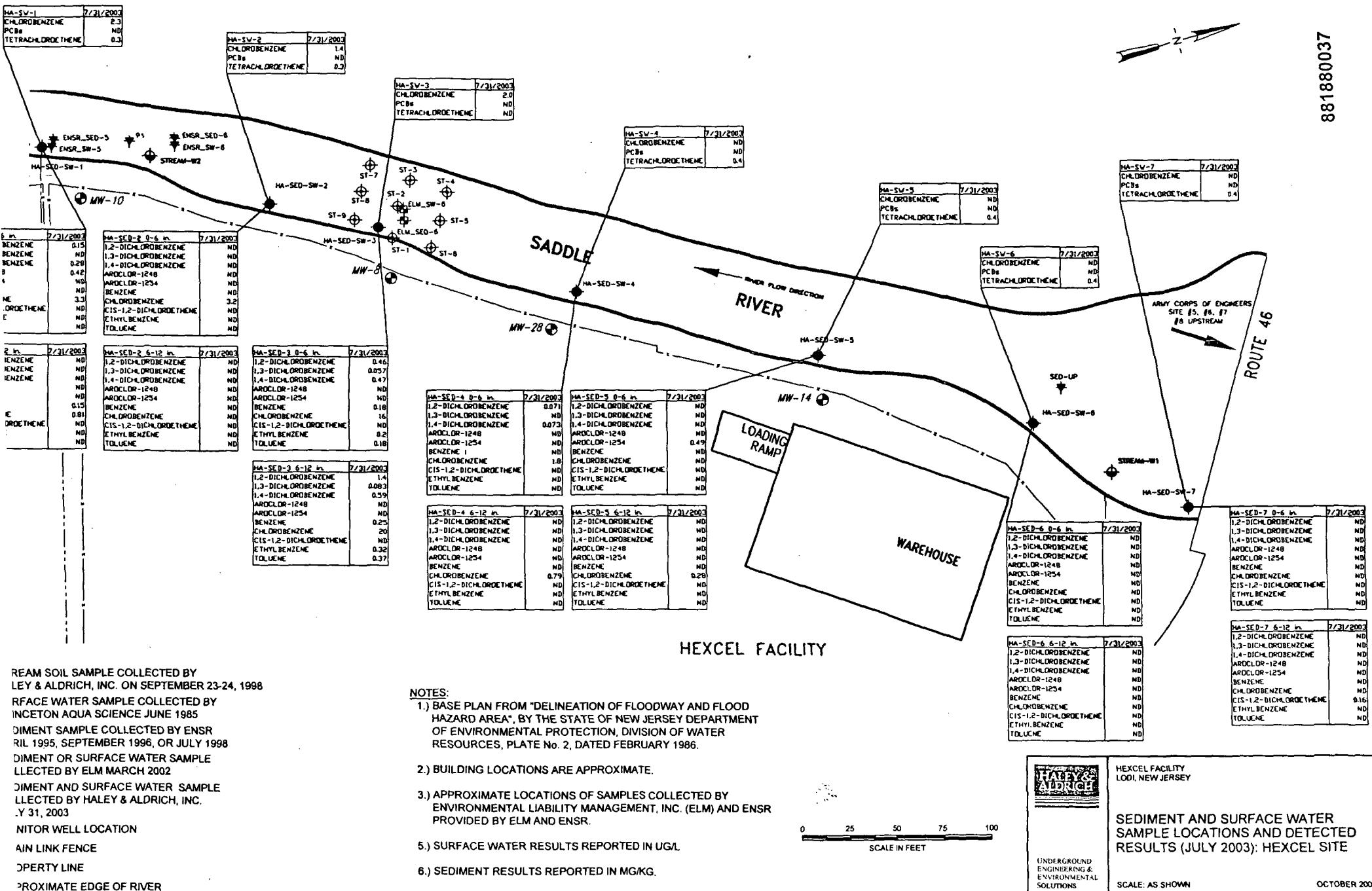
OCTOBER 2003

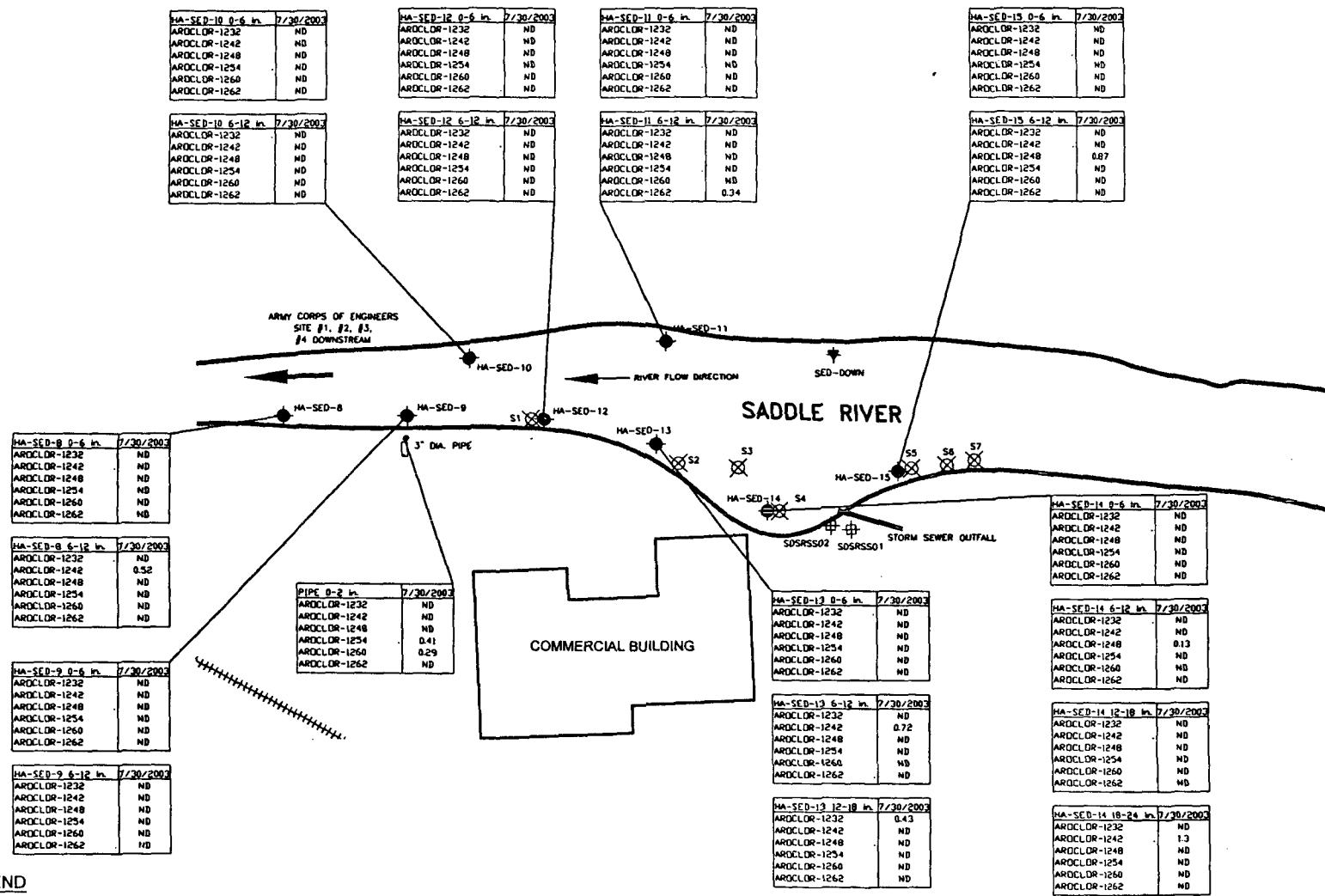
FIGURE 2

U.S. Geological Survey, Water Resources Data
USGS 01391500 SADDLE RIVER AT LODI NJ
July 1990 to August 2003



Note: Solid line represents daily mean streamflow on 31 July 2003. Dashed line represents the monthly mean streamflow for July from 1924 to 2002. September 2002 through August 2003 data are provisional and subject to revision.





0 25 50 75 100
SCALE IN FEET



HEXCEL FACILITY
LODI, NEW JERSEY

SEDIMENT SAMPLE LOCATION
AND DETECTED RESULTS
(JULY 2003): STORM SEWER OUTFALL

SCALE: AS SHOWN

UNDERGROUND
ENGINEERING &
ENVIRONMENTAL
SOLUTIONS

OCTOBER 2003

FIGURE 5

APPENDIX A

Copy of NJDEP's letters dated 19 March 2003 and 19 May 2003



881880039



James E. McGreevey
Governor

State of New Jersey
Department of Environmental Protection

Bradley M. Campbell
Commissioner

MAR 19 2003

Edward A. Hogan
Norris McLaughlin & Marcus, PA
P.O Box 1018
Somerville, NJ 08876-1018

COPY

Re: Hexcel Corporation (Hexcel)
Lodi Borough, Bergen County
ISRA Case #E86009
Remedial Action Report dated: December 20, 2002

Dear Mr. Hogan:

Please be advised that the New Jersey Department of Environmental Protection (NJDEP) has completed its review of the above referenced Remedial Action Report. The NJDEP's responses regarding the Remedial Action Report are noted below:

I Sediment Requirements

The proposed Sediment Sampling Program is acceptable with the following conditions.

1. The use of the methanol preservation technique should be specified for sediment volatile organic compound (VOC) sampling, pursuant to the Technical Requirements for Site Remediation N.J.A.C. 7:26E 2.1 (a)4.
2. As this portion of the Saddle River appears to be fairly straight/channelized with limited areas of sediment fines, substrate probing of channel and bank sediments with a coring device may aid in delineating depositional areas (in addition to the visual methods proposed on p. 6).
3. In addition to tabular presentation of data, the review will be facilitated if data that exceed criteria/standards are reported in "chem boxes" on a keyed, scaled map for all sample locations.
4. The work plan should specify standards and screening criteria to which data will be compared. Sediment data shall be compared to sediment screening criteria recommended in *NJDEP Guidance for Sediment Quality Evaluation, November 1998*, or other appropriate guidance with justification. Sediment screening criteria for a limited number of volatile organics are available in *Jones, et.al. Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision, Oak Ridge National Laboratory*.

II Surface Water Requirements

The proposed Surface Water Sampling Program is acceptable with the following conditions.

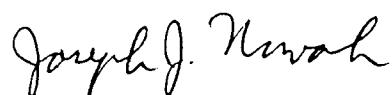
1. Surface-water samples shall be collected close to the bed of the river, rather than mid-depth in the water column, and shall be positioned toward the river bank in order to obtain samples from locations of anticipated minimum dilution.
2. Hexcel shall measure stream flow adjacent the site at the time of sampling, or shall extrapolate stream flow adjacent the site from the nearest, upstream USGS gauging station. In order to demonstrate to the NJDEP that stream flow was relatively low at the time of surface-water sampling, Hexcel shall indicate where the measured or estimated stream flow falls within the range of statistical stream flows for the Saddle River in the area of the site.
3. The NJDEP's approval of Hexcel's proposal to forego collection of ground water samples for priority pollutant metals (PPMs) and base neutral organic compounds (BNs) (other than 1,2-dichlorobenzene) is tentative at this time because Hexcel did not submit the sampling logs for the April 2002 ground-water sampling event, the results of which were reported in Hexcels August 28, 2002 Progress Report. Hexcel shall submit the information required by the Technical Requirements for Site Remediation at N.J.A.C. 7:26-3.13(c)7 to the extent possible. The NJDEP may have additional comments regarding PPM and BN sampling of ground water and surface water based on a review of this information.
4. The work plan should specify standards and screening criteria to which data will be compared. Surface water data shall be compared with the more stringent of the New Jersey Surface Water Quality Standards or Federal Surface Water Quality Criteria. USEPA "Tier II" and other screening criteria are available for a limited number of volatile organics in *Suter and Tsao Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision, Oak Ridge National Laboratory*

III General Requirements

1. Hexcel shall submit the results of the sediment and surface water sampling within 90 calendar days of receipt of this letter.
2. Hexcel shall submit the report or additional proposals in triplicate. Please note that only one copy of the Quality Assurance/Quality Control Deliverables and one disk of electronic deliverables are needed.
3. Hexcel shall submit summarized analytical results in accordance with the Technical Requirements For Site Remediation (TRSR), N.J.A.C. 7:26E.
4. Hexcel shall collect and analyze all samples in accordance with the sampling protocol outlined in the May, 1992 edition of the NJDEP's "Field Sampling Procedures Manual" and the TRSR, N.J.A.C. 7:26E.
5. Hexcel shall notify the assigned BNCM Case Manager at least 14 calendar days prior to implementation of all field activities.

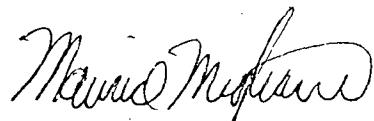
If you have any questions, please contact the Case Manager, Joseph J. Nowak, at (609) 292-0130.

Prepared By:



Joseph J. Nowak, Case Manager
Bureau of Northern Case Management

Approved By:



Maurice Migliarino, Section Chief,
Bureau of Northern Management

c: Kris Geller, BEERA
Beverly Phillips, BGWPA
A. William Nosil, Hexcel Corporation
Joseph Savarese, Haley & Aldrich

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State of New Jersey

Department of Environmental Protection

James E. McGreevey
Governor

Bradley M. Campbell
Commissioner

Edward A. Hogan
Norris McLaughlin & Marcus, PA
P.O Box 1018
Somerville, NJ 08876-1018

MAY 19 2003

Re: Hexcel Corporation (Hexcel)
Lodi Borough, Bergen County
ISRA Case #E86009
April 17, 2003 Response to NJDEP's letter dated March 24, 2003

Dear Mr. Hogan:

Please be advised that the New Jersey Department of Environmental Protection (NJDEP) has completed its review of the above referenced Remedial Action Report. The NJDEP's responses regarding the Remedial Action Report are noted below:

I Sediment and Surface Water Requirements

1. Hexcel has requested a 90 day extension for the submission of the sediment and surface water results in order to collect the samples during typical low flow conditions of the Saddle River. The proposal to initiate the sediment and surface water sampling in mid to late July to coincide with the typical low flow conditions of the summer months for the Saddle River is acceptable as long as Hexcel confirms that the Saddle River is at a relatively low flow at the time of sample collection.
2. The proposal to forego the collection of surface water samples for priority pollutant metals (PPMs) and base neutral organic compounds (BNs) (other than dichlorobenzenes) is acceptable.

II General Requirements

1. Hexcel shall submit the results of the sediment and surface water sampling on or before September 22, 2003. Be advised that no additional extensions will be granted for this sampling.
2. Hexcel shall submit the report or additional proposals in triplicate. Please note that only one copy of the Quality Assurance/Quality Control Deliverables and one disk of electronic deliverables are needed.
3. Hexcel shall submit summarized analytical results in accordance with the Technical Requirements For Site Remediation (TRSR), N.J.A.C. 7:26E.
4. Hexcel shall collect and analyze all samples in accordance with the sampling protocol outlined in the May, 1992 edition of the NJDEP's "Field Sampling Procedures Manual" and the TRSR, N.J.A.C. 7:26E.

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5. Hexcel shall notify the assigned BNCM Case Manager at least 14 calendar days prior to implementation of all field activities.

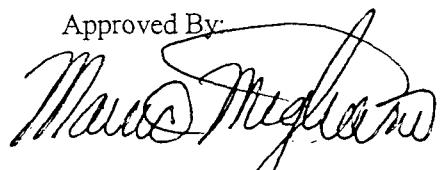
If you have any questions, please contact the Case Manager, Joseph J. Nowak, at (609) 292-0130.

Prepared By:



Joseph J. Nowak, Case Manager
Bureau of Northern Case Management

Approved By:



Maurice Migliarino, Section Chief,
Bureau of Northern Management

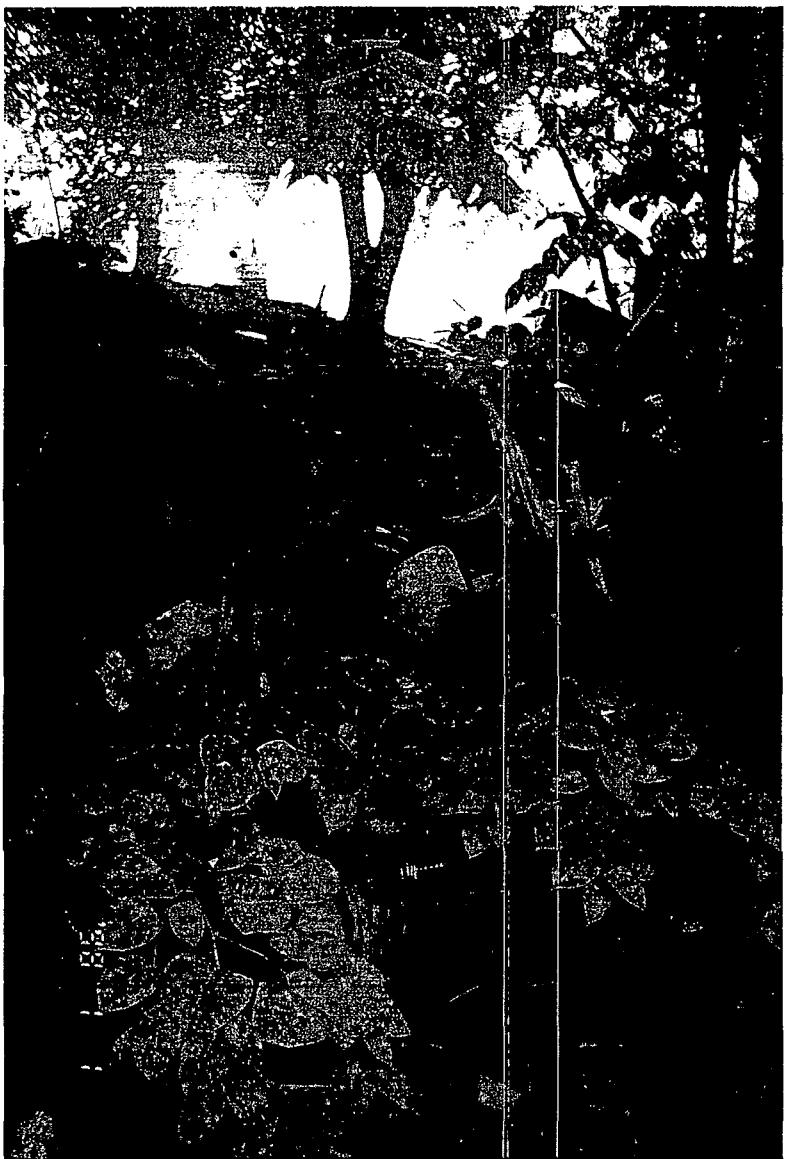
c: Kris Geller, BEERA
Beverly Phillips, BGWPA
A. William Nosil, Hexcel Corporation
Joseph Savarese, Haley & Aldrich

APPENDIX B

Photographs



881880045



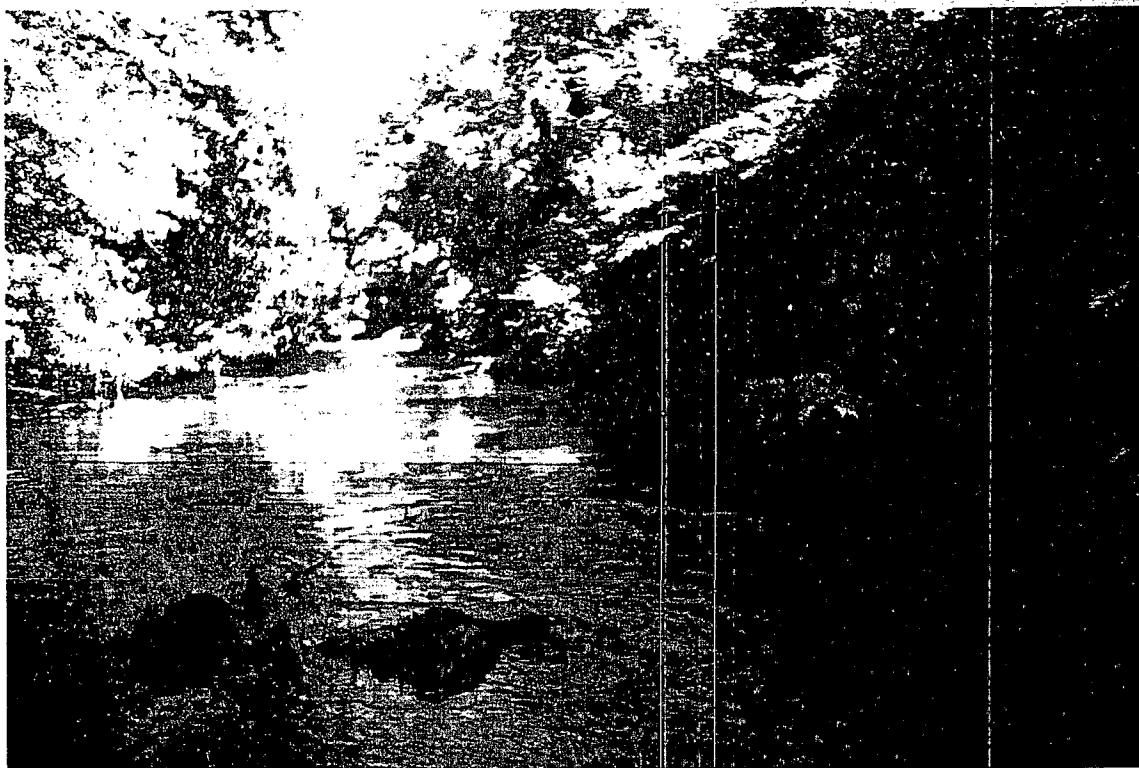
Photograph 1: Household trash, refuse, and debris commonly encountered
in Saddle River and along river bank



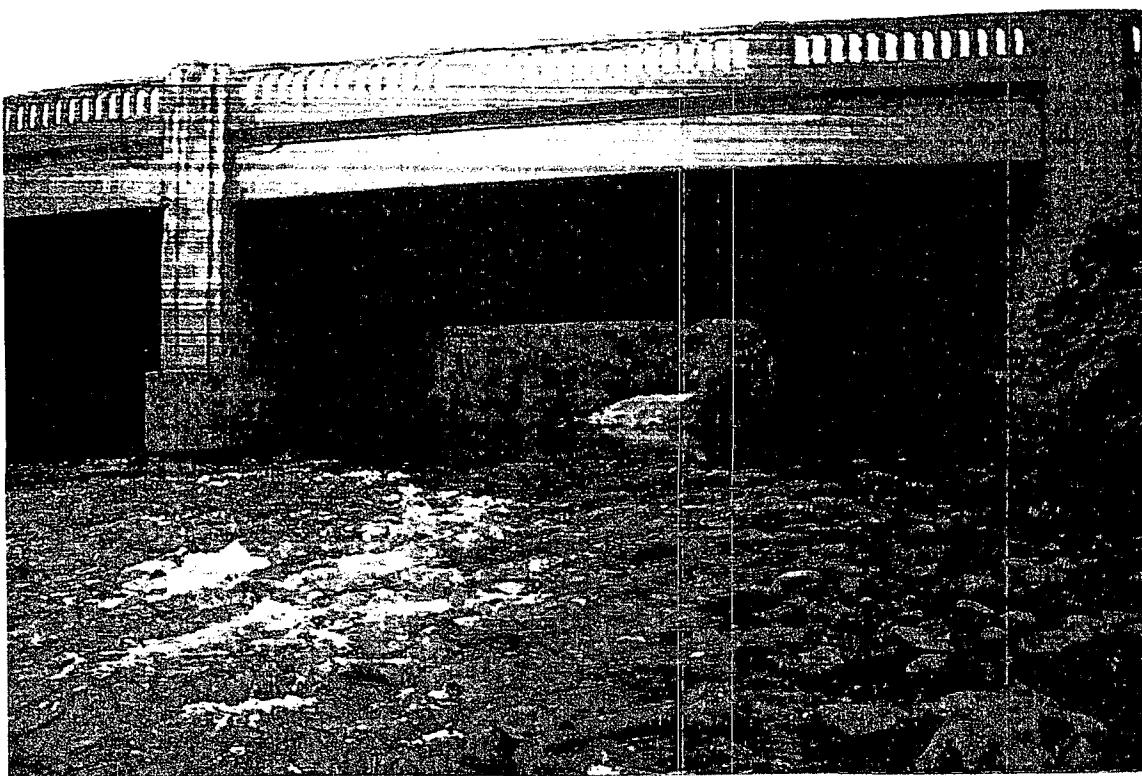
Photograph 2: Large cement blocks, debris, boulders, and cobbles illustrate difficult sediment sampling conditions in Saddle River.



Photograph 3: Cinder blocks, bricks, concrete pieces, and debris observed in Saddle River during sampling program



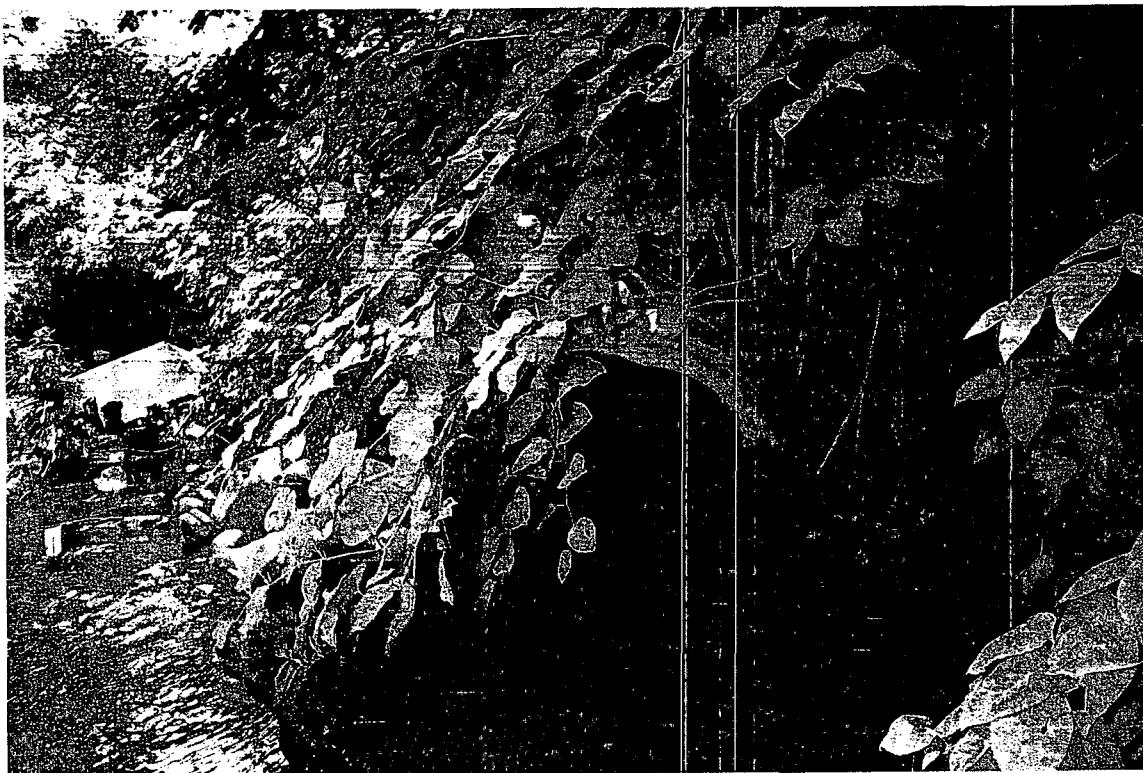
Photograph 4: Tires, car axles, and waste debris observed in Saddle River during sampling program



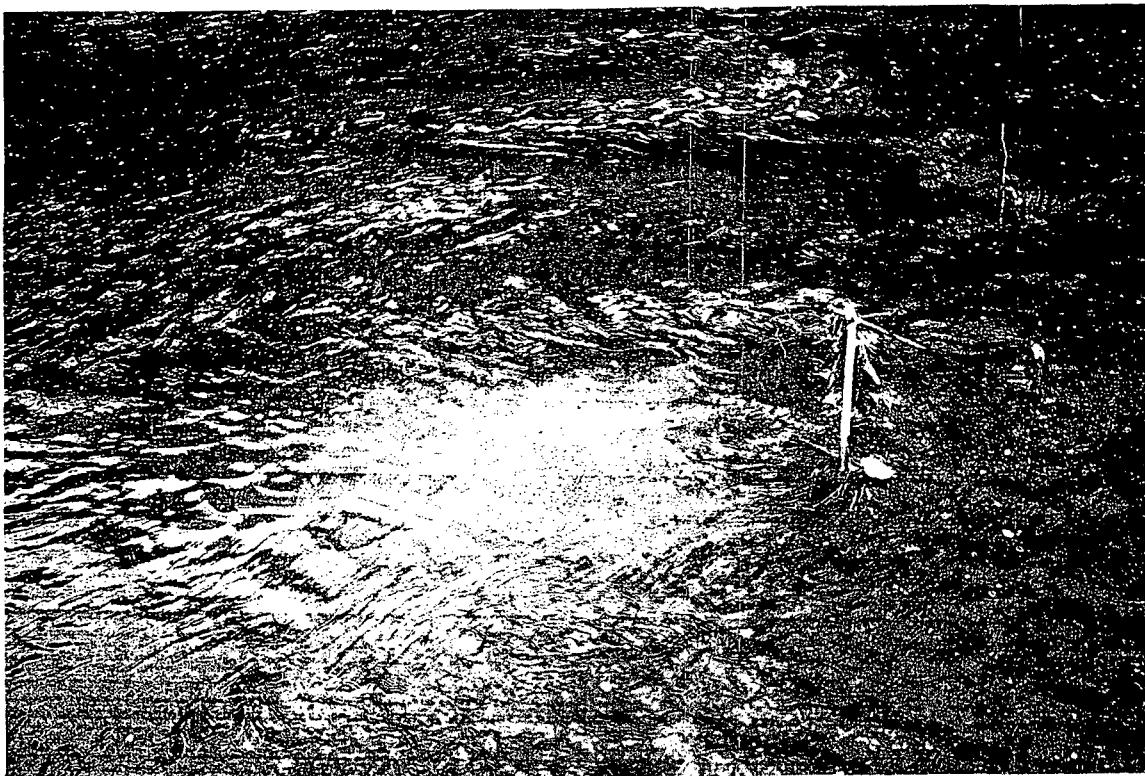
Photograph 5: Route 46 Bridge and location of upstream sediment and surface water
Station HA-SED-SW-7



Photograph 6: Storm Sewer Outfall and surrounding area (Looking North).
Note the waste debris, and household appliances. Sediment Sampling station HA-SED-15 was located in a depositional area to the left of the bend in the river.



Photograph 7: Storm Sewer Outfall (Looking North)



Photograph 8: Sediment sampling station HA-SED-14 was located in a depositional area



Photograph 9: 3 inch diameter metal pipe observed near station HA-SED-9.
Soil sample "PIPE" was collected at the point of apparent discharge where stained soils are apparent
(Looking South)

APPENDIX C

Sediment Particle Size Analysis Results



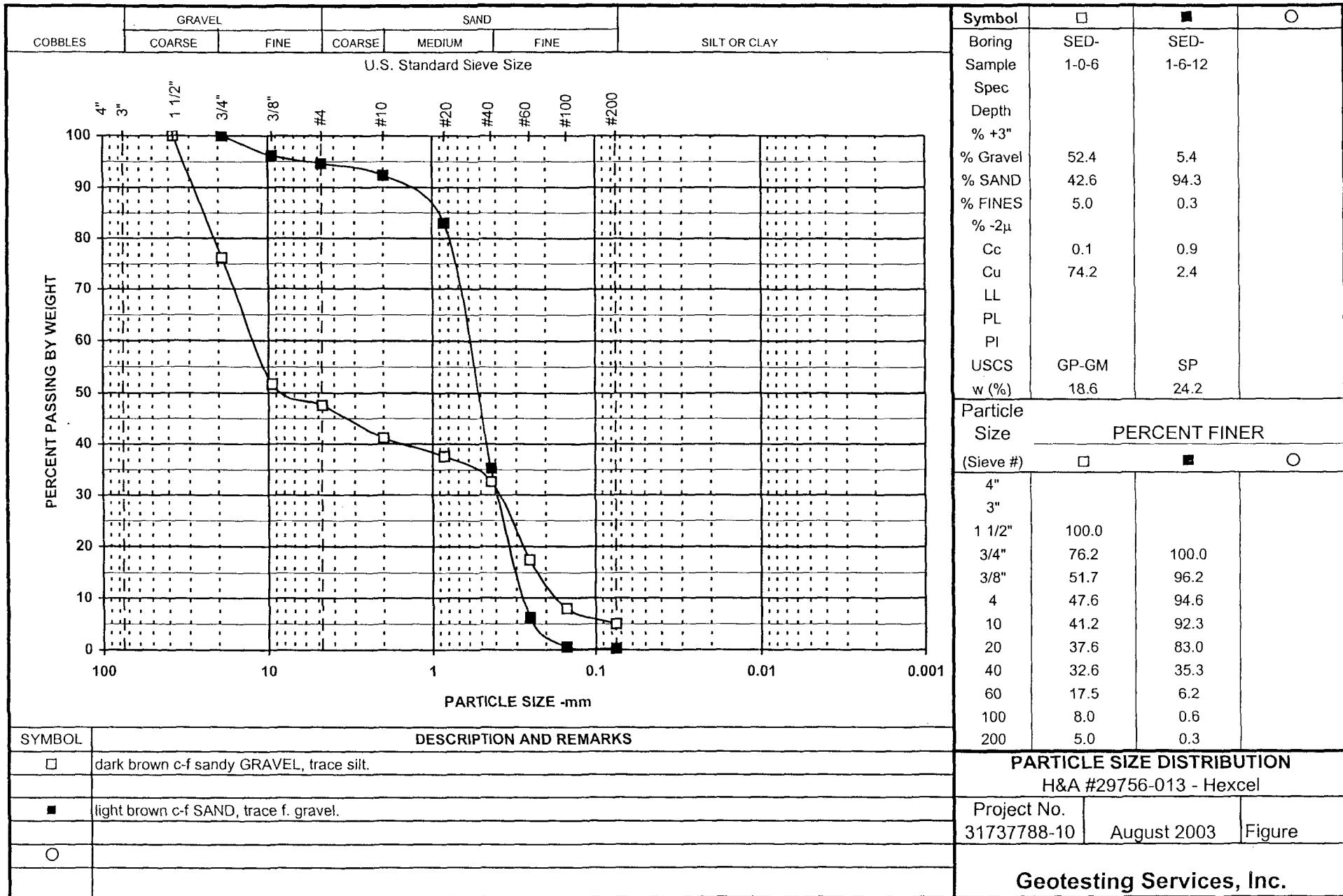
881880051

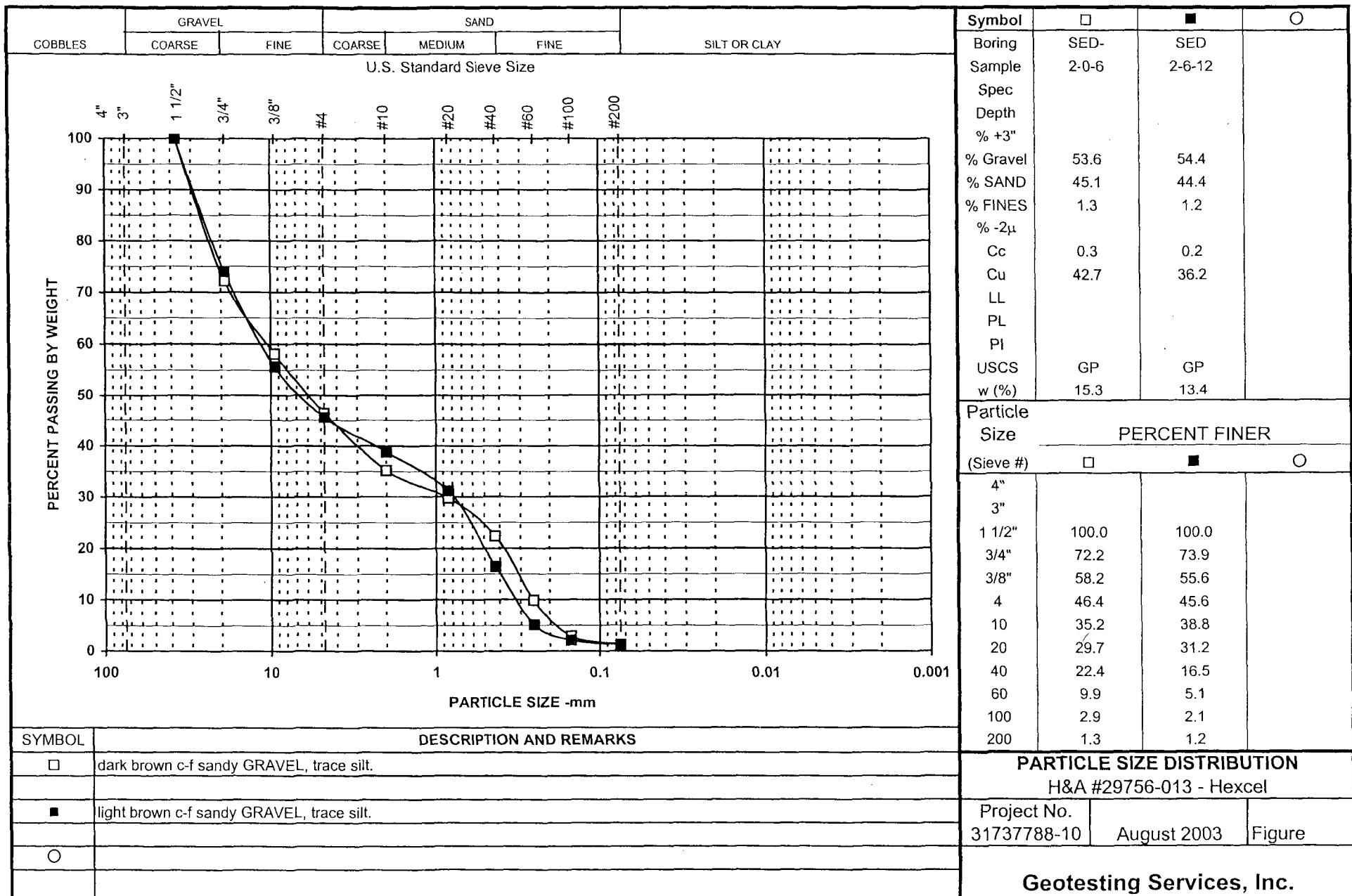
H&A #29756-013 Hexcel

LABORATORY TESTING DATA SUMMARY

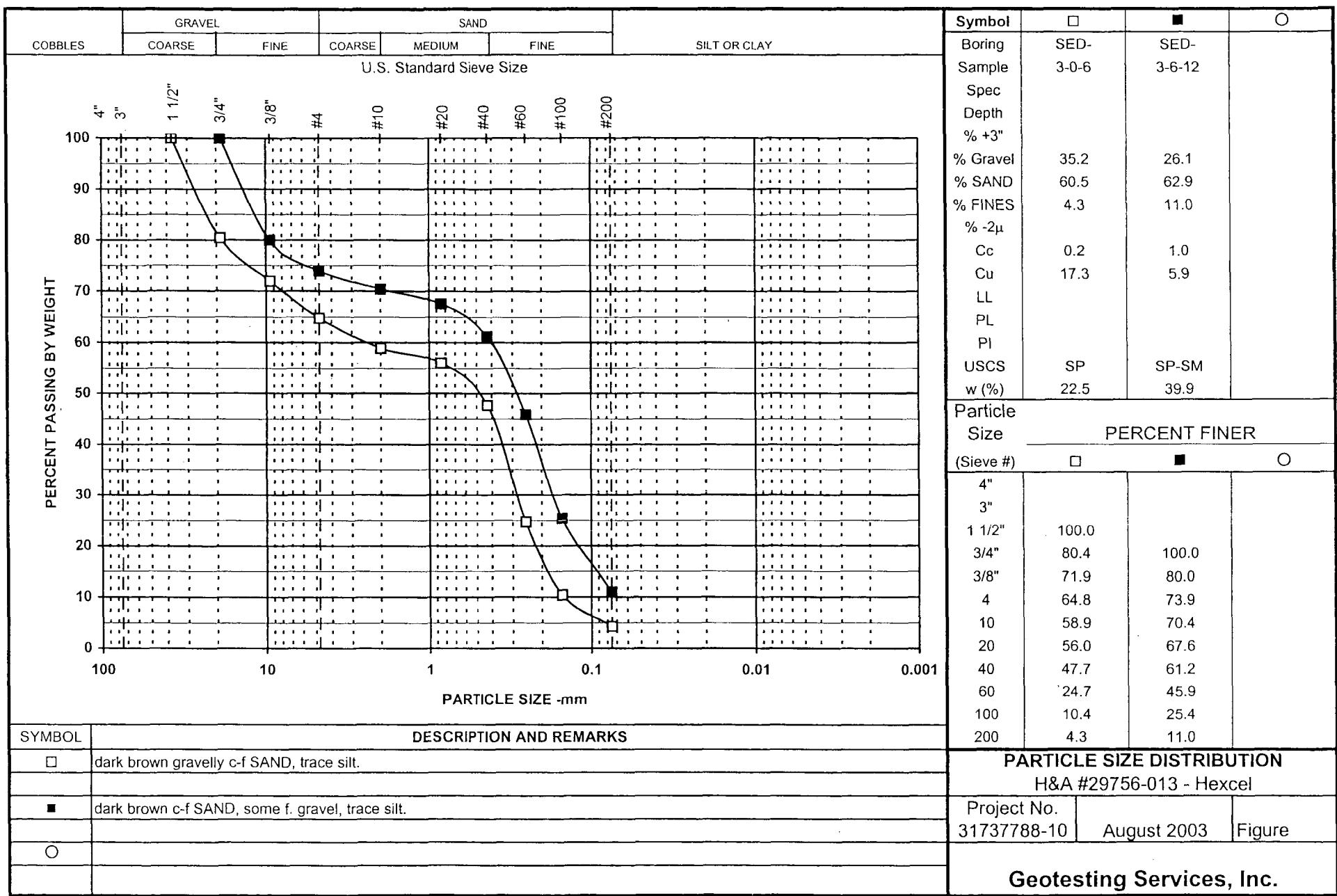
BORING NO.	SAMPLE NO.	IDENTIFICATION TESTS			REMARKS
		WATER CONTENT (%)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	
SED	1-0-6	18.6	GP-GM	5.0	
SED	1-6-12	24.2	SP	0.3	
SED	2-0-6	15.3	GP	1.3	
SED	2-6-12	13.4	GP	1.2	
SED	3-0-6	22.5	SP	4.3	
SED	3-6-12	39.9	SP-SM	11.0	
SED	4-0-6	17.0	GP	1.9	
SED	4-6-12	14.6	SP	1.8	
SED	5-0-6	28.3	SP	2.6	
SED	5-6-12	19.4	GP-GM	9.0	
SED	6-0-6	16.5	SP	0.6	
SED	6-6-12	14.8	GP	3.2	
SED	7-0-6	20.6	SP	1.6	
SED	7-6-12	45.3	SM	45.2	
SED	8-0-12	34.3	SP	0.6	
SED	9-0-12	30.4	SP	0.4	
SED	10-0-6	27.4	SP	3.2	
SED	10-6-12	28.9	SP	1.1	
SED	11-0-12	26.5	SP	1.2	
SED	12-0-6	22.3	SP	0.3	
SED	12-6-12	18.1	SP	0.1	
SED	13-0-6	12.9	GP	0.1	
SED	13-6-12	15.9	SP	0.2	
SED	13-12-18	19.4	SP	0.2	
SED	14-0-6	20.4	SP	0.2	
SED	14-6-12	15.2	SP	0.3	
SED	14-12-18	16.7	SP	1.5	
SED	15-0-6	21.2	SP	0.3	
SED	15-6-12	22.7	SP	1.3	

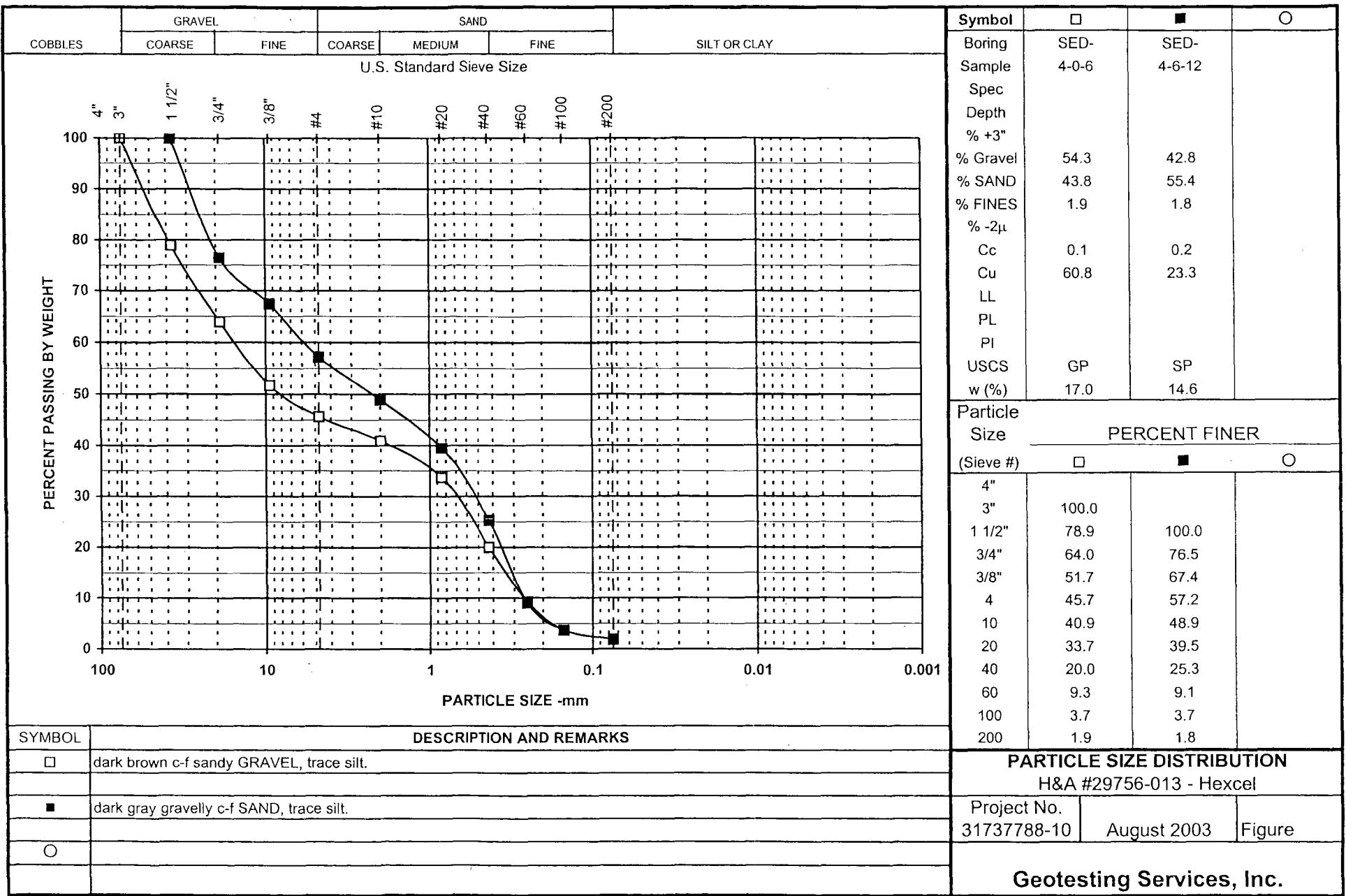
Note: (1) Plasticity of fines based on visual observation.

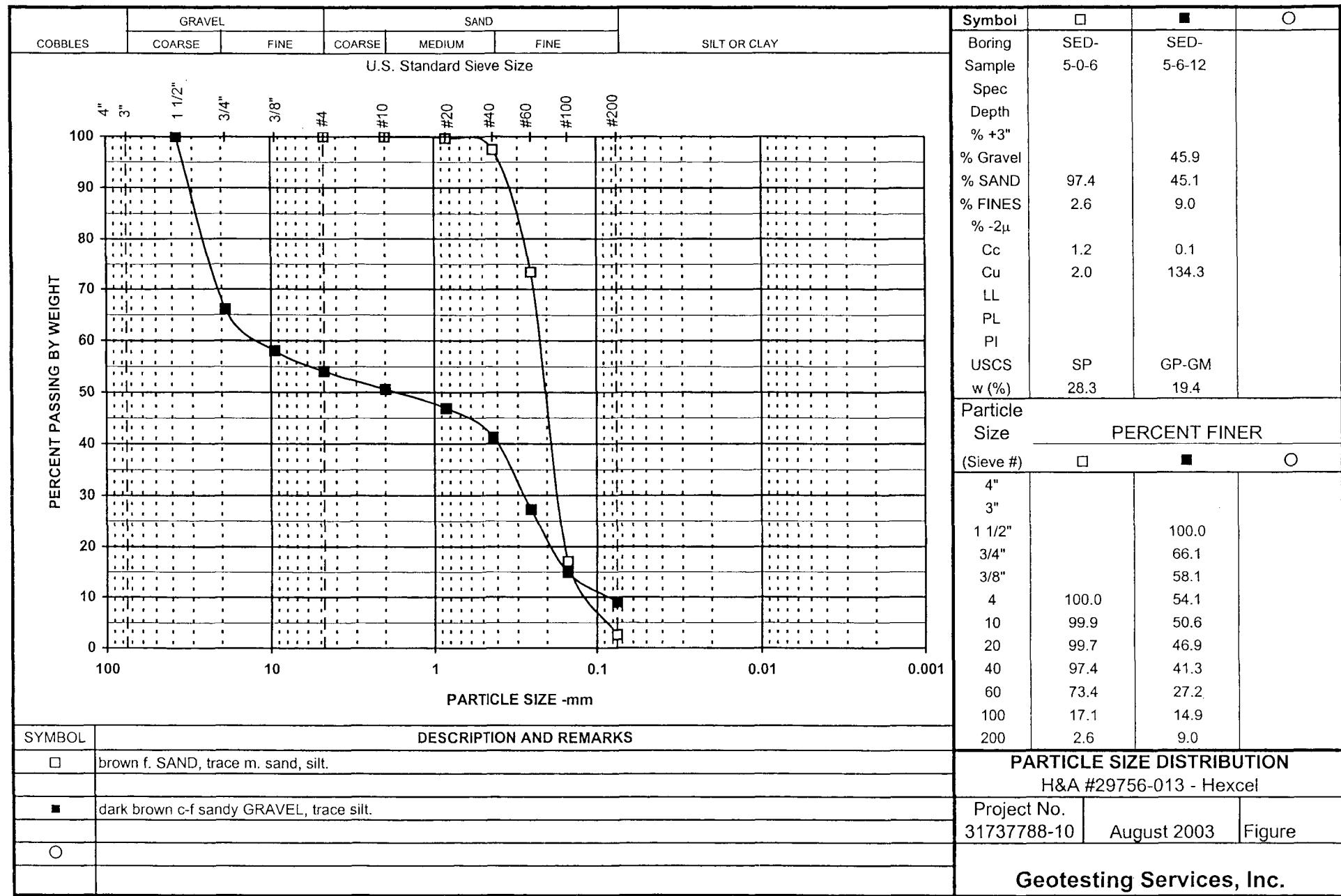


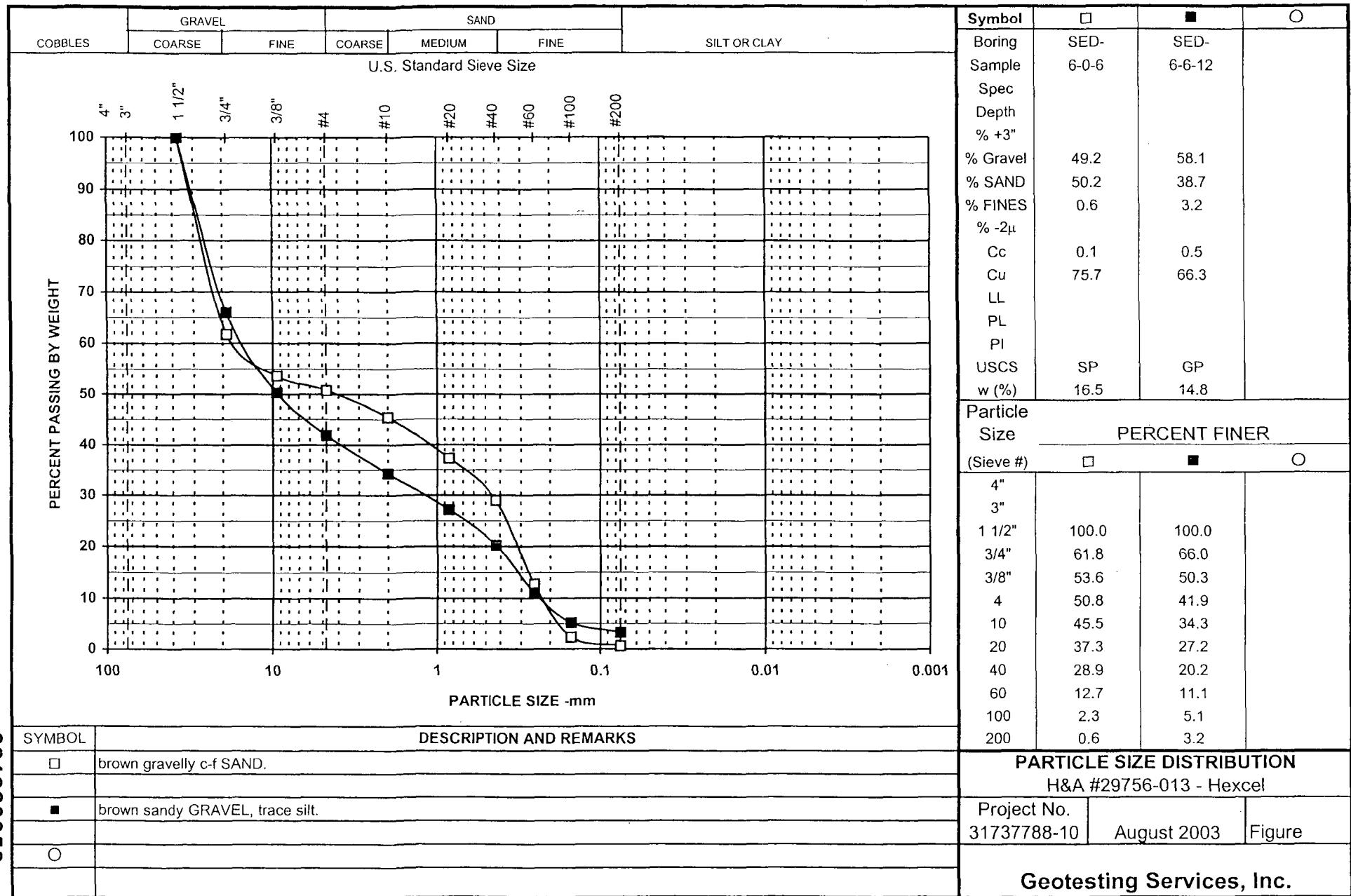


881880055

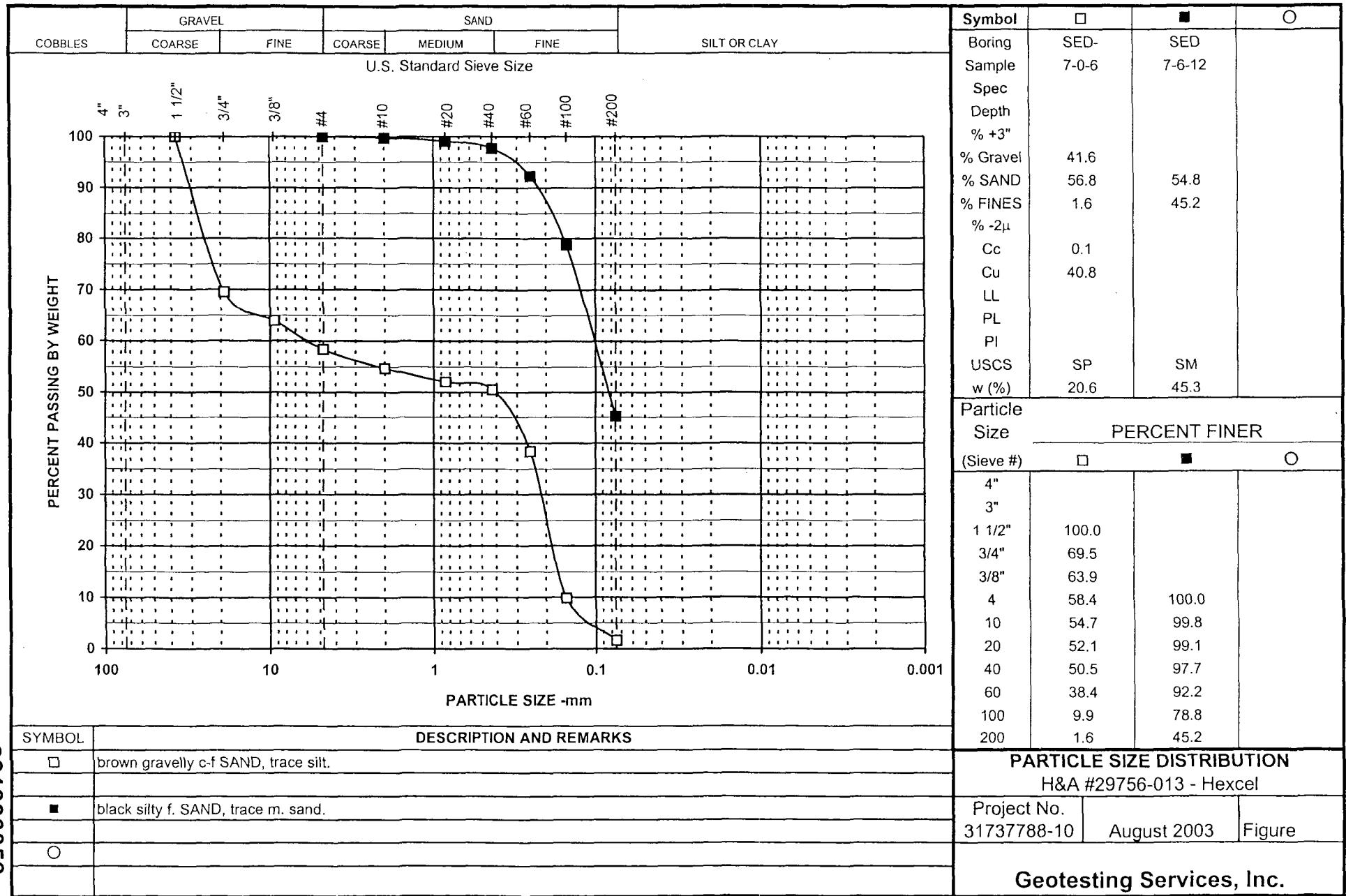




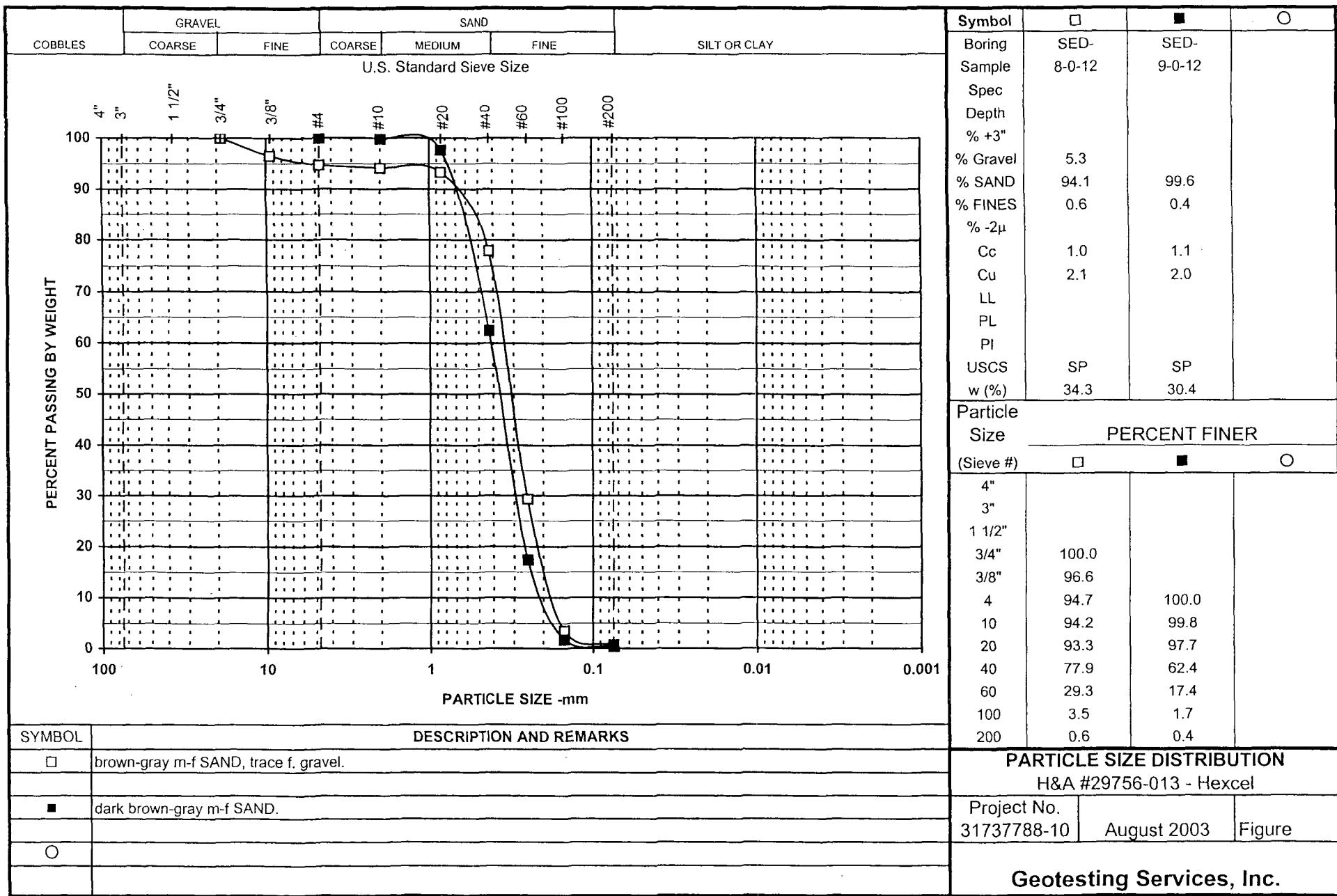


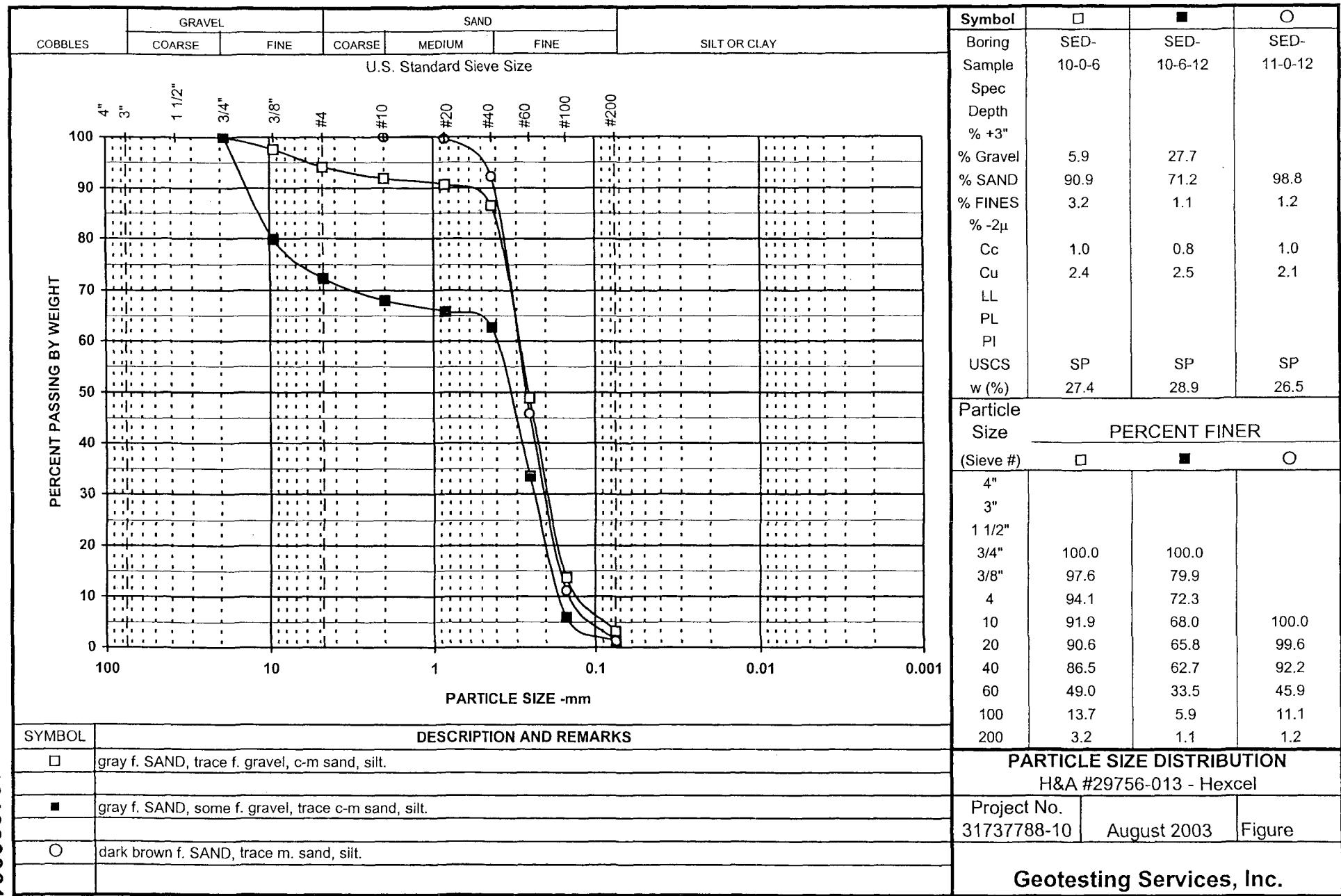


881880058

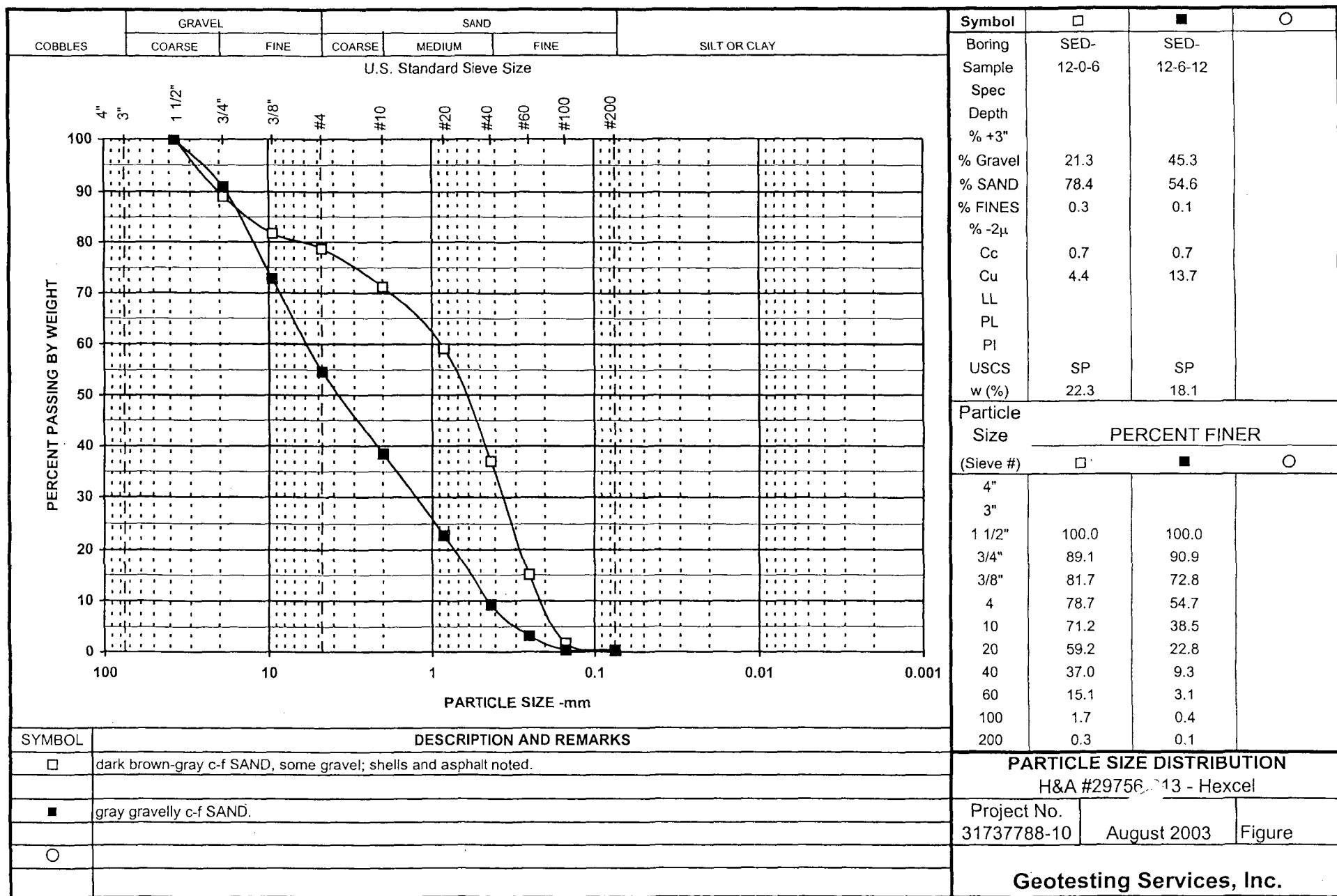


88188060

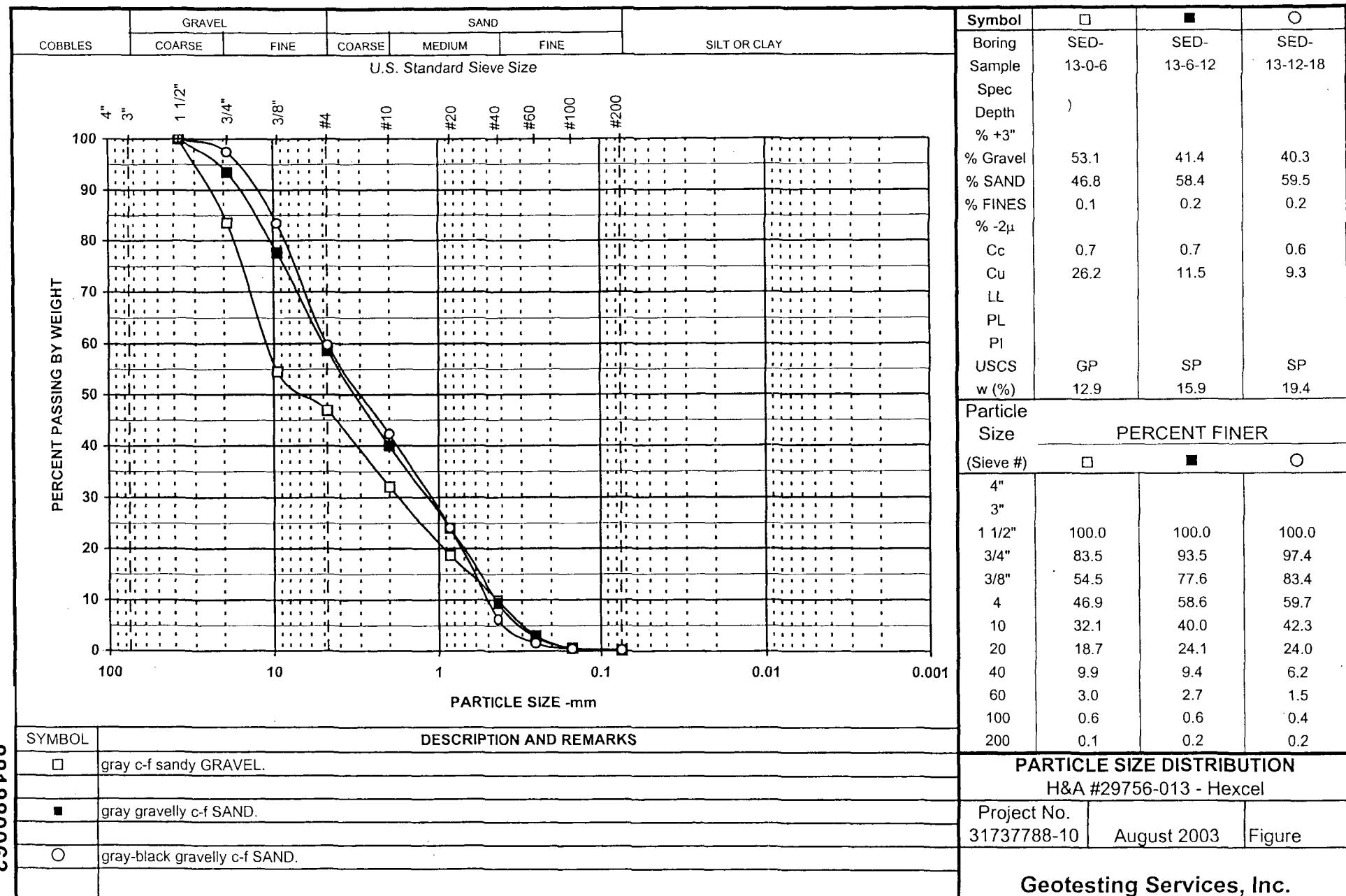


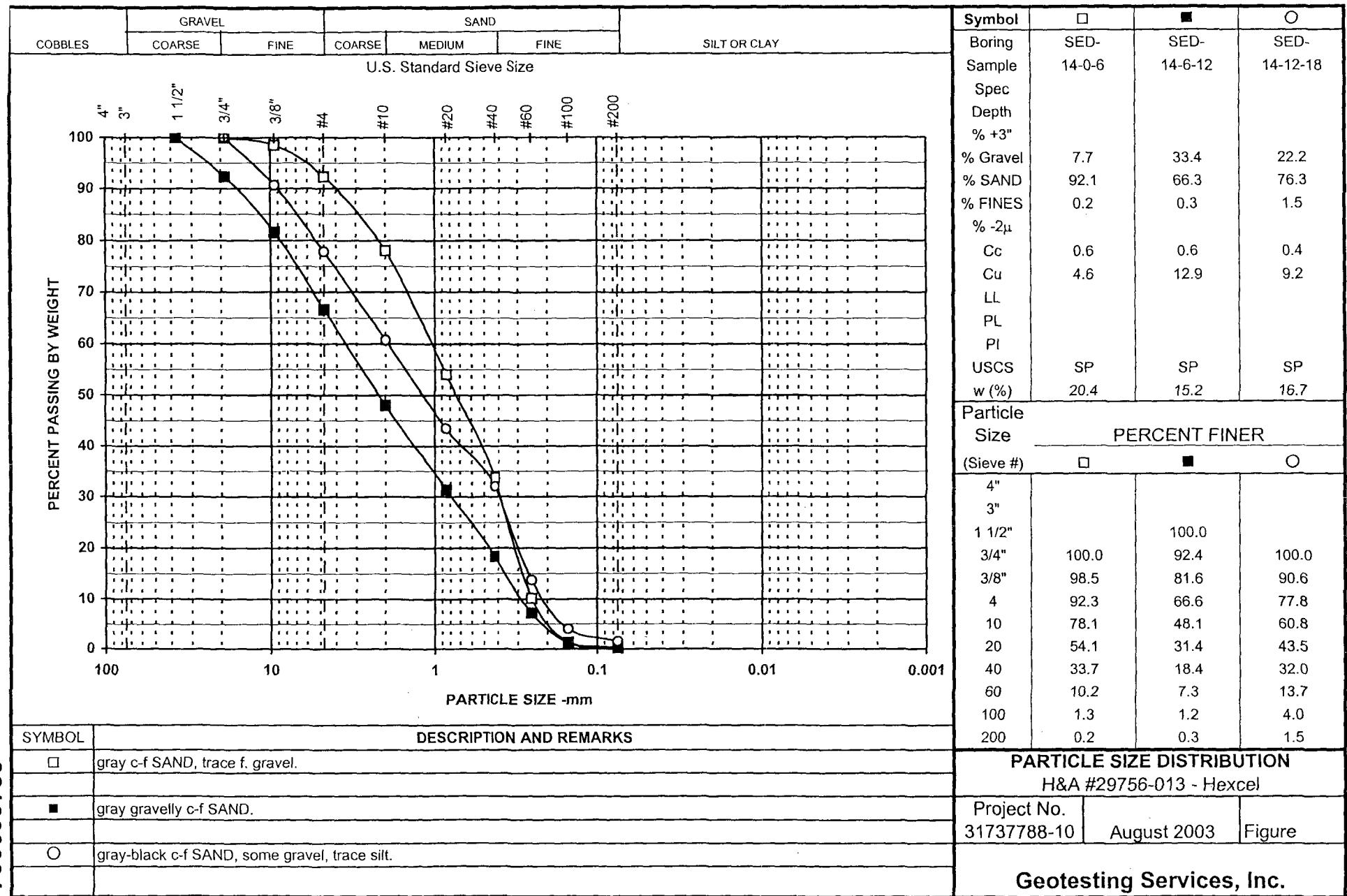


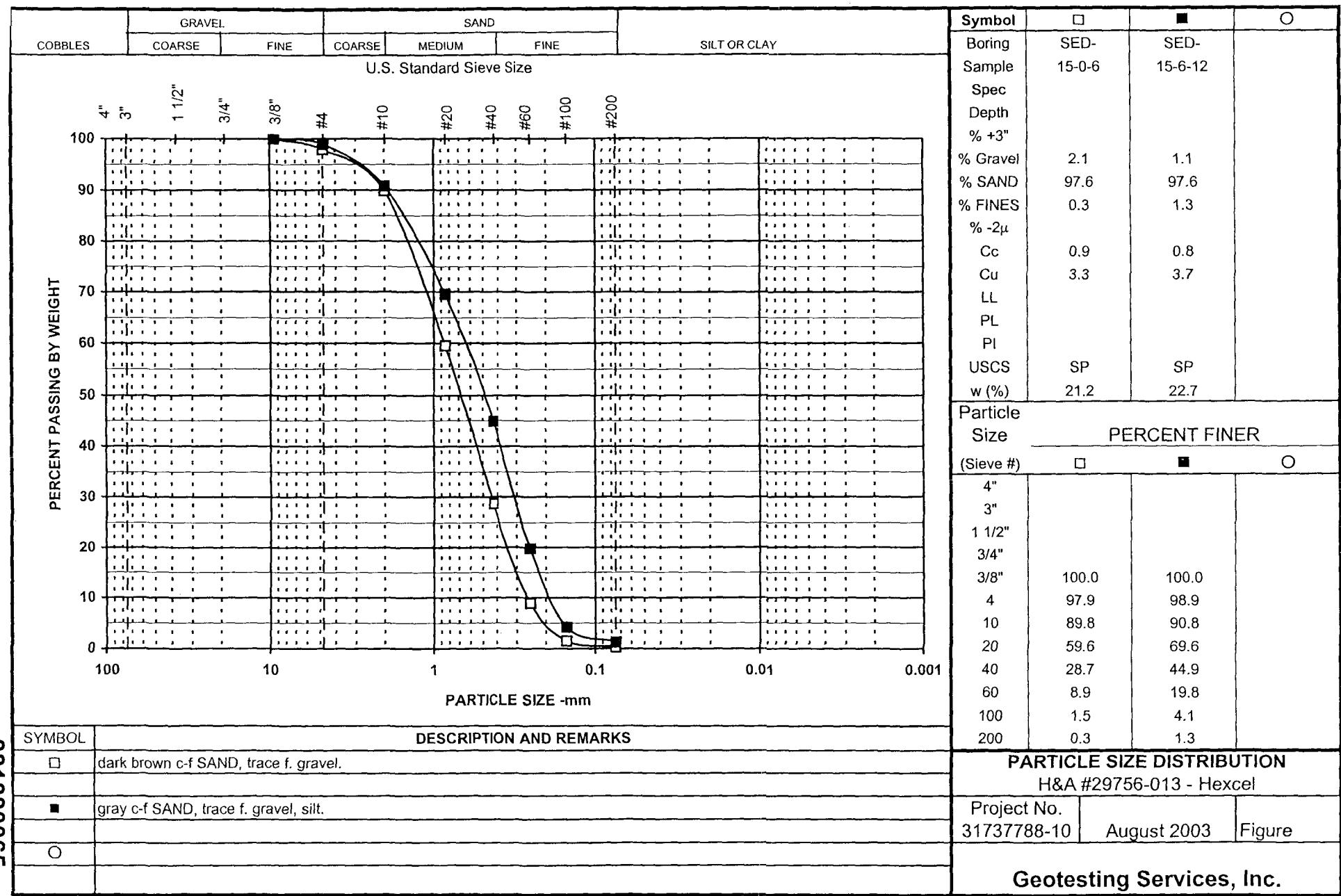
881880061



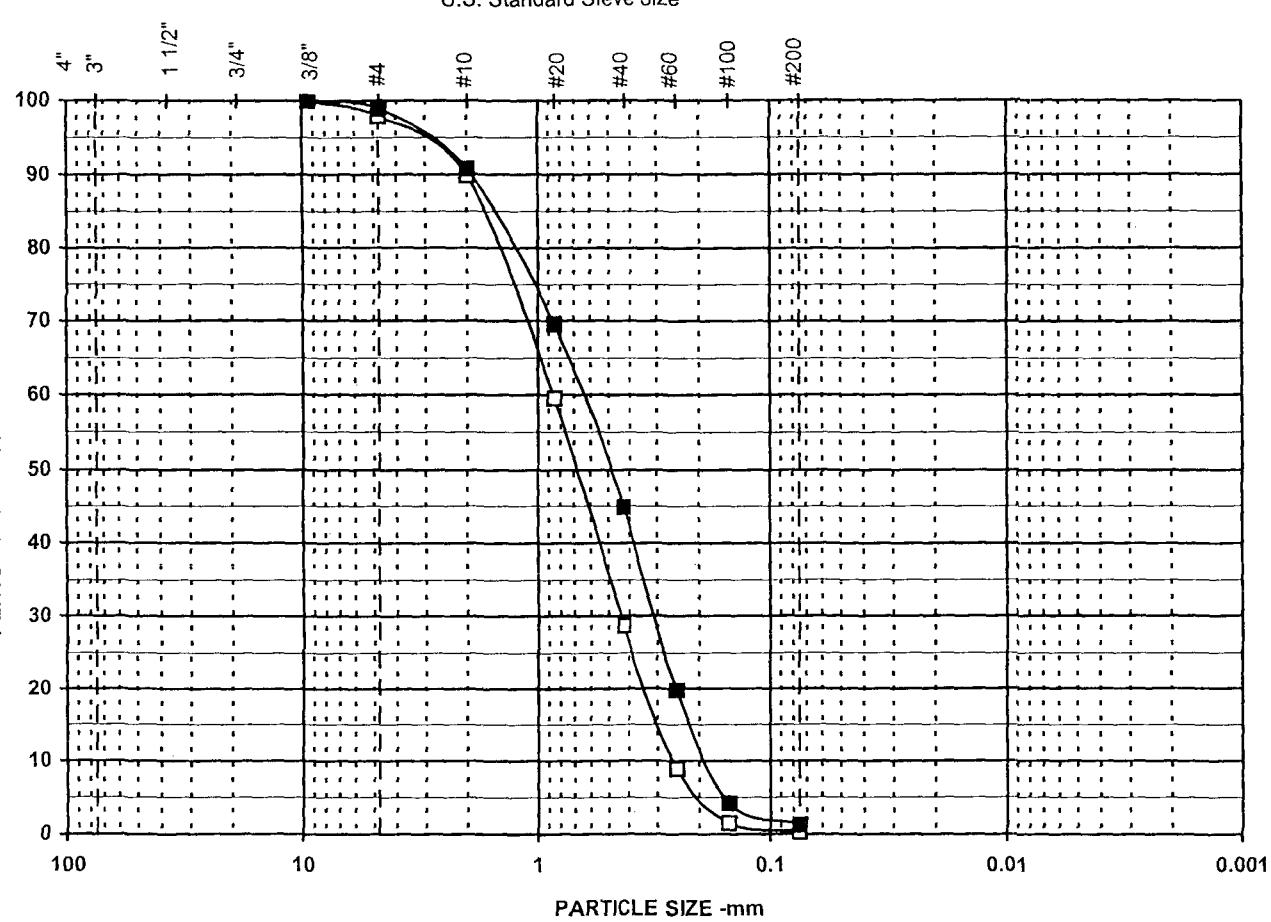
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SYMBOL	DESCRIPTION AND REMARKS		
<input type="checkbox"/>	dark brown c-f SAND, trace f. gravel.		
<input checked="" type="checkbox"/>	gray c-f SAND, trace f. gravel, silt.		
<input type="radio"/>			

PARTICLE SIZE DISTRIBUTION
H&A #29756-013 - Hexcel

Project No.
31737788-10 August 2003 Figure

Geotesting Services, Inc.

APPENDIX D

Historical Data Tables



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Table D-1
Historical Surface Water Quality Data
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Location ID	STREAM W-1	STREAM W-2	ENSR_SW-5	ENSR_SW-6
Sample ID	STREAM W-1	STREAM W-2	ENSR_SW-5	ENSR_SW-6
Sample Date	6/1/1985	6/1/1985	7/16/1998	7/16/1998
Collected By:	PAS	PAS	ENSR	ENSR
Laboratory ID	W-1-40315*	W-2-40314*		
Units	Result	MDL	Result	MDL
	Result	MDL	Result	MDL
<u>Volatile Organics</u>				
Benzene	ug/L	U 5	U 5	0.6 0.3
Chlorobenzene	ug/L	U 5	U 5	2.7 1.8
Chloroform	ug/L	U 5	U 5	0.3 0.3
Tetrachloroethene	ug/L	U 5	U 5	0.6 0.7
Total VOs		0	0	4.2 3.1
<u>Acid-Extractable Organics</u>		U NA	U NA	NR NR
<u>Base/Neutral Organics</u>				NR NR
Bis(2-ethylhexyl)phthalate	ug/L	53	79	
<u>Priority Pollutant Metals</u>				
Copper	ug/L	U 7	U 7	12 12.9
Zinc	ug/L	30	20	23 22.6
<u>Pesticides</u>		U NA	U NA	NR NR
PCBs	ug/L	U NA	U NA	NR NR
<u>Phenols</u>				
Phenol	mg/L	0.005	0.003	NA NA
<u>Cyanides</u>		U NA	U NA	NR NR

Notes:

Samples STREAM W-1 and STREAM W-2 were collected by Princeton Aqua Science (PAS) for Hexcel Corporation.

Samples ENSR_SW-4 through ENSR_SW-6 were collected by ENSR for Napp Technologies, Inc.

U - The compound was not detected at the indicated concentration

NA - Not available.

NR - Not analyzed.

Bis(2-ethylhexyl)phthalate was detected in all groundwater samples collected in 1988;

Environ (on behalf of Hexcel Corp.) had classified the presence of this compounds as "ubiquitous in the environment and sometimes associated with the sampling gloves and/or equipment."

88188067

Table D-2
Historical Sediment Quality Data
Volatile Organics at Hexcel Site
Saddle River
Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009

Page 1 of 1

Location ID		ST-1	ST-2	ST-3	ST-4	ST-5	ST-6	ST-7	ST-8	ST-9	
Sample ID		ST-1	ST-2	ST-3	ST-4	ST-5	ST-6	ST-7	ST-8	ST-9	
Sample Date		9/23/98	9/23/98	9/23/98	9/24/98	9/24/98	9/24/98	9/24/98	9/24/98	9/24/98	
Sample Depth (feet)		4.5 - 5.0	4.7 - 5.2	5.5 - 6.0	6.0 - 6.5	5.5 - 6.0	5.0 - 5.5	5.0 - 5.5	4.7 - 5.2	3.5 - 4.0	
Collected By		H&A									
Laboratory ID											
	Units	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Targeted VO_s											
Methylene Chloride	mg/kg	0.16	JB	0.15	JB	0.15	JB	0.14	JB	0.15	JB
Benzene	mg/kg	0.082	J	U	NA	U	NA	U	NA	U	NA
Chlorobenzene	mg/kg	1.8	0.27	J	U	NA	U	NA	U	NA	U
Vinyl Chloride	mg/kg	U	NA	U	NA	U	NA	U	NA	U	NA
cis-1,2-Dichloroethene	mg/kg	U	NA	U	NA	U	NA	U	NA	U	NA
Toluene	mg/kg	U	NA	U	NA	U	NA	U	NA	U	NA
Non-Targeted VO_s	mg/kg	0.	1.6	0.	0.	0.	0.	0.	0.	1.	
Total VO _s	mg/kg	2.042	2.02	0.15	0.15	0.14	6.07	0.15	1.16	5.261	

Notes:

NA - Not available

NR - Not analyzed.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the sample.

Table D-3**Historical Sediment Quality Data****Polychlorinated Biphenyls at Hexcel Site****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Sample ID	SED-UP	P-1		P-2		ENSR_SED-5A	ENSR_SED-5B	
Sample Date	4/28/1995	9/27/1996		9/27/1996		7/16/1998	7/16/1998	
Sample Depth	0 TO 6"	0 TO 6"		0 TO 6"		0 TO 3.6"	3.6" TO 7.2"	
Collected By	ENSR	ENSR		ENSR		ENSR	ENSR	
Laboratory ID	23861	63789		63790				
Units	Result	MDL	Result	MDL	Result	MDL	Result	MDL
PCBs								
Aroclor-1242 mg/kg	NA		NA		NA		U	NA
Aroclor-1254 mg/kg	NA		NA		NA		U	NA
Total PCBs mg/kg	0.2		0.16		U 0.081		1.21	
TOC mg/Kg	7450		NA		NA		NA	

Notes:

Sample SED-UP was collected by ENSR for Napp Technologies, Inc.

Samples P-1 and P-2 were collected by ENSR for Napp Technologies, Inc.

Samples ENSR_SED-5A and ENSR_SED-5B were collected by ENSR for Napp Technologies, Inc.

NA - Not Available.

U - The compound was not detected at the indicated concentration.

Table D-4**Historical Sediment Quality Data****Polychlorinated Biphenyls at Storm Sewer Outfall****Saddle River****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Sample ID	S-1	S-1	S-2	S-2	S-3	S-3	S-4	S-4	S-5	S-5
Sample Date	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997
Sample Depth	0 to 6"	6 to 12"								
Collected By	H&A									
Laboratory ID	274170	274171	274172	274173	274175	274174	274176	274177	274178	274179
Units	Result	MDL								
PCBs										
Aroclor-1242	mg/kg	2.7	300	0.55	2.5	0.13	0.047 J	0.56	1.1	U 0.059
Total PCBs	mg/kg	2.7	300	0.55	2.5	0.13	0.047 J	0.56	1.1	U U
TOC	mg/Kg	896	584	1410	708	453	656	964	460	857 325

Sample ID	S-6	S-6	S-7	S-7	FIELD BLANK*	SDSR-SS01	SDSR-SS02	SED-DOWN	P-3
Sample Date	10/10/1997	10/10/1997	10/10/1997	10/10/1997	10/10/1997	Jun-87	Jun-87	4/28/1995	9/27/1996
Sample Depth	0 to 6"	6 to 12"	0 to 6"	6 to 12"	H&A	ENVIRON	ENVIRON	0 TO 6"	0 TO 6"
Collected By	H&A	H&A	H&A	H&A	H&A	ENVIRON	ENVIRON	ENSR	ENSR
Laboratory ID	274180	274181	274182	274183	274050			23862	63791
Units	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result
PCBs									
Aroclor-1242	mg/kg	U 0.062	U 0.059	U 0.13	U 0.064	U 1	NA	NA	NA
Total PCBs	mg/kg	U	U	U	U	U	0.3	2.4	U NA U 0.083
TOC	mg/Kg	367	737	1080	918	U 1	NA	NA	6570 NA

Notes:

Samples S-1 through S-8 were collected by Haley & Aldrich, Inc. (H&A) for Hexcel Corporation.

Samples SDSR-SS01 and SDSR-SS02 were collected by Environ for Hexcel Corporation.

Sample SED-DOWN was collected by ENSR for Napp Technologies, Inc.

Sample P-3 was collected by ENSR for Napp Technologies, Inc.

NA - Not Available.

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.

The concentration given is an approximate value.

881880070

Table D-5**Historical Sediment Quality Data****Polychlorinated Biphenyls in the Saddle River****U.S. Army Corps of Engineers Results****Hexcel Corporation****Lodi Borough, Bergen County, New Jersey****ISRA Case No. 86009**

Sample ID	Site#1		Site#2		Site#3		Site#4		Site#5		Site#6		Site#7		Site#8	
Sample Date	Dec-83		Dec-83		Dec-83		Dec-83		Dec-83		Dec-83		Dec-83		Dec-83	
Sample Depth	NA		NA		NA		NA		NA		NA		NA		NA	
Collected By	Army Corps		Army Corps		Army Corps		Army Corps		Army Corps		Army Corps		Army Corps		Army Corps	
Units	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Result	MDL
Total PCBs	mg/kg	0.02		0.08		0.37		0.08		0.04		U	NA	0.11		0.21
TOC	mg/Kg	11073		8907		7989		5176		8345		15240		14147		27174

Notes:

Samples Site#1 through Site#8 were collected by the U.S. Army Corps of Engineers

(Reference: *Interim Report on Flood Protection Feasibility Lower Saddle River, Bergen Co, N.J.*, Aug. 1984)

NA - Not Available.

U - The compound was not detected at the indicated concentration.

881880071

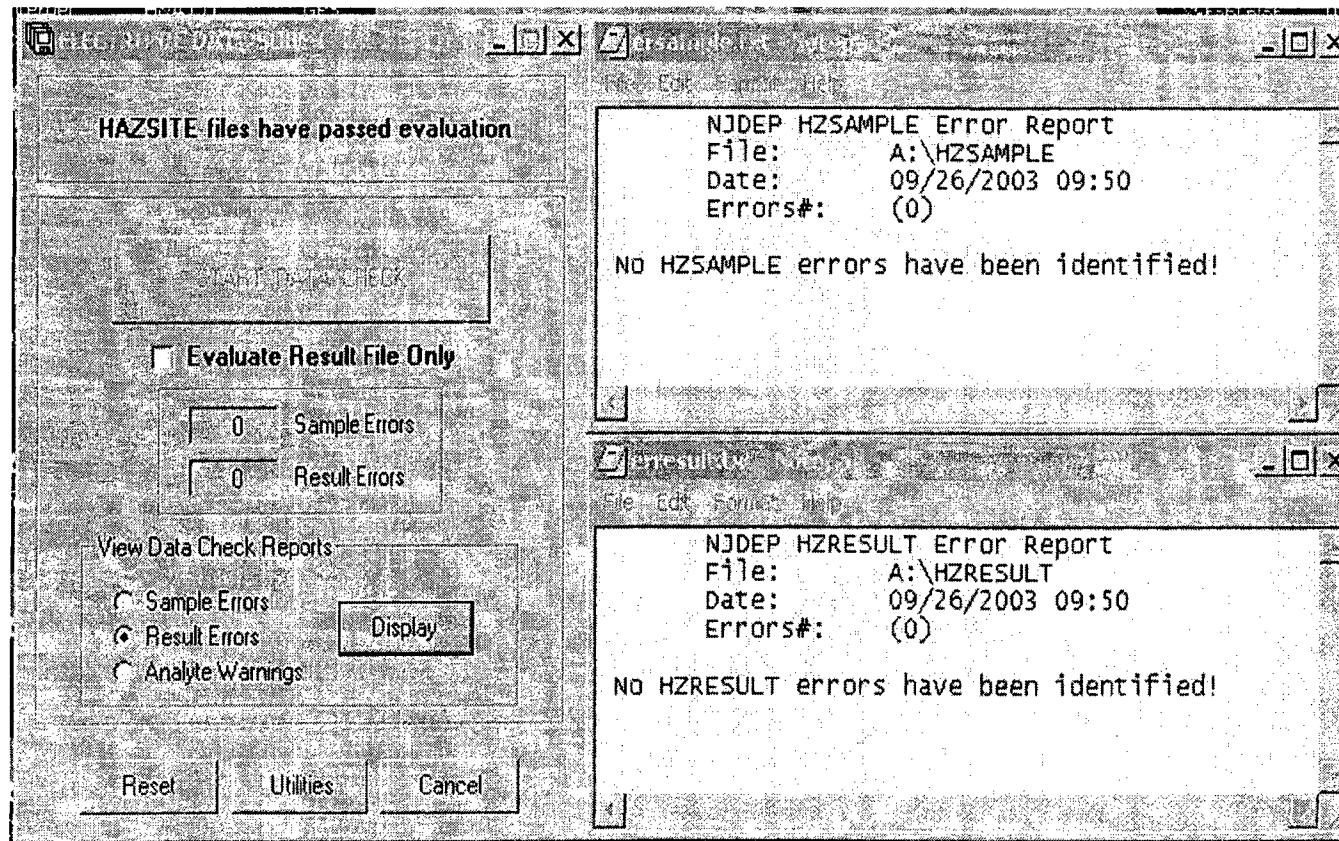
APPENDIX E

**Laboratory Data Summary Sheets,
Electronic Data Deliverable Diskette (NJDEP-Copy Only)
and EDSA Check**



881880072

Hexcel Corporation
SRPID 86009
Electronic Deliverables Submission Checked with EDSA
Version 5.00.0001
08 October 2003
Samples Collected on 30 and 31 July 2003



881880073

**Laboratory Data Summary Sheets:
Hexcel Site Area of Concern**

881880074

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 3

Name (for report and invoice) JOSEPH SAVARESE	Samplers Name (Printed) JENNY LIU			Site/Project Identification HEXCEL FACILITY - INVESTIGATION		SEDIMENT (SURFACEWATER)		
Company HALEY + ALDRICH, INC.	P.O. # 29756-013			State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:				
Address 299 CHERRY HILL ROAD, STE. 105	Analysis Turnaround Time Standard <input checked="" type="checkbox"/>			ANALYSIS REQUESTED (ENTER 'X' BELOW TO INDICATE REQUEST)		Regulatory Program:		
City PARSIPPANY	State NJ 07054	Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>	TCL-VOA + 10	PCB	Total Organic Carbon TOC	pH	Hardness	
Phone 973-263-3900	Fax 973-263-2580							
Sample Identification	Date 7/31/03	Time 900	Matrix SEDIMENT	No. of Cont. 3				
SED-1-06					X			447496
SED-1-6-12		905			X			447497
SED-2-06		930			X			447498
SED-2-6-12		935			X			447499
SED-3-06		1000			X			447500
SED-3-6-12		1005			X			447501
SED-4-06		1030			X			447502
SED-4-6-12		1035			X			447503
SED-5-06		1100			X			447504
SED-5-6-12	✓	1105	✓	✓	X			447505
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other <u>MeOH</u> , 7 = Other				Soil: 20	1	1	1	
				PAGE TOTAL	Water:			

Special Instructions * TCL-VOA + 10 including Dichlorobenzenes

Water Metals Filtered (Yes/No)?

Relinquished by 1) <u>JLN</u>	Company Hailey + Aldrich	Date / Time 7/31/03 10:00	Received by 1) <u>Jack Munoz</u>	Company STL
Relinquished by 2) <u>Jacky Munoz</u>	Company STL	Date / Time 7/31/03 17:10	Received by 2) <u>Scruce</u>	Company STL
Relinquished by 3)	Company	Date / Time 	Received by 3)	Company
Relinquished by 4)	Company	Date / Time 	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 3 OF 3

(2)

(3)

Name (for report and invoice) JOSEPH SAVARESE		Samplers Name (Printed) JENNY LIU		Site/Project Identification HEXCEL FACILITY - INVESTIGATION		SEDIMENT/SURFACE WATER		
Company HALEY + ALDRICH, INC.		P.O. # 29756-013		State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:				
Address 299 CHERRY HILL ROAD, STE 105		Analysis Turnaround Time Standard <input checked="" type="checkbox"/>		ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)		Regulatory Program:		
City PARSIPPANY, NJ 07054		Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		TCL-VOA+10		PCB		
Phone 973-263-3900		Fax 973-263-2580		Leaded Hazardous Material		HCl		
Sample Identification		Date	Time	Matrix	No. of. Cont.	Hardness		LAB USE ONLY
SED-6-0-6		7/31/03	1330	SEDIMENT	32	58		Project No:
SED-6-6-12			1335	1	12	X		Job No:
SED-7-0-6			1400	1	12	X		L759
SED-7-6-12			1405	1	12	X		
SW-1			900	AQ.	6	X		Sample Numbers
SW-2			930	AQ.	6	X		447506
SW-3			1000	AQ.	6	X		447507
SW-4			1030	AQ.	6	X		447508
SW-5			1100	AQ.	6	X		447509
SW-6			1330	AQ.	6	X		447510
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH, 6 = Other MeOH, 7 = Other		44	Soil: 16	1	1	-		447511
			Water: 12	1	-	1,4		447512
								447513
								447514
								447515
PAGE TOTAL								

Special Instructions *** TCL-VOA+10 including Dichlorobenzenes**

Water Metals Filtered (Yes/No)?

Relinquished by 1) <i>[Signature]</i>	Company Hailey + Aldrich	Date / Time 7/31/03, 1600	Received by 1) <i>[Signature]</i>	Company STL
Relinquished by 2) <i>[Signature]</i>	Company STL	Date / Time 7/31/03 117:10	Received by 2) <i>[Signature]</i>	Company STL
Relinquished by 3)	Company	Date / Time 1	Received by 3)	Company
Relinquished by 4)	Company	Date / Time 1	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL EDISON

777 New Durham Road
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Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 3 OF 3

Name (for report and invoice) JOSEPH SAVARESE		Samplers Name (Printed) JENNY LIU		Site/Project Identification HEXCEL FACILITY - SEDIMENT SURFACEWATER INVESTIGATION		
Company HAYEY + ALDRICH, INC.		P.O. # 29756-013		State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:		
Address 299 CHERRY HILL ROAD, STE 105		Analysis Turnaround Time Standard <input checked="" type="checkbox"/>		Regulatory Program:		
City PARSIPPANY		State NJ 07960				
Phone 973-263-3900		Fax 973-263-2580				
Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)	LAB USE ONLY Project No:
SW-7	7/31/03	1400	AQ.	6	X X X X X X	Job No: L759
SW-600		1330	AQ.	6	X X X X X X	Sample Numbers 447516
TRIP BLANK	7/30	—	AQ.	1	X X X X X X	447517
						447518
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH (3) Soil: 6 = Other _____, 7 = Other _____ PAGE TOTAL Water: 1.2 1 - 1 1.4						77 TOTAL CONT.

Special Instructions TCI-VOA +10 including Dichlorbenzene

Water Metals Filtered (Yes/No)?

Relinquished by 1) <i>J. M.</i>	Company <i>Haley + Aldrich</i>	Date / Time <i>7/3/03 11600</i>	Received by 1) <i>Fredy Morales</i>	Company <i>STC</i>
Relinquished by 2) <i>Fredy Morales</i>	Company <i>STC</i>	Date / Time <i>7/3/03 11710</i>	Received by 2) <i>S. Wines</i>	Company <i>JR</i>
Relinquished by 3)	Company	Date / Time 	Received by 3)	Company
Relinquished by 4)	Company	Date / Time 	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

Client ID: SED-1-0-6
Site: Hexcel-Sediment

Lab Sample No: 447496
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29367.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 49

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	1200
Bromomethane	ND	1200
Vinyl Chloride	ND	1200
Chloroethane	ND	1200
Methylene Chloride	ND	740
Acetone	ND	1200
Carbon Disulfide	ND	1200
1,1-Dichloroethene	ND	490
1,1-Dichloroethane	ND	1200
trans-1,2-Dichloroethene	ND	1200
cis-1,2-Dichloroethene	ND	1200
Chloroform	ND	1200
1,2-Dichloroethane	ND	490
2-Butanone	ND	1200
1,1,1-Trichloroethane	ND	1200
Carbon Tetrachloride	ND	490
Bromodichloromethane	ND	250
1,2-Dichloropropane	ND	250
cis-1,3-Dichloropropene	ND	1200
Trichloroethene	ND	250
Dibromochloromethane	ND	1200
1,1,2-Trichloroethane	ND	740
Benzene	ND	250
trans-1,3-Dichloropropene	ND	1200
Bromoform	ND	990
4-Methyl-2-Pentanone	ND	1200
2-Hexanone	ND	1200
Tetrachloroethene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
Toluene	ND	1200
Chlorobenzene	3300	1200
Ethylbenzene	ND	990
Styrene	ND	1200
Xylene (Total)	ND	1200

Client ID: SED-1-0-6
Site: Hexcel-Sediment

Lab Sample No: 447496
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29367.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 49

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	1200
1,4-Dichlorobenzene	280 J	1200
1,2-Dichlorobenzene	150 J	1200

Client ID: SED-1-0-6
Site: Hexcel-Sediment

Lab Sample No: 447496
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29367.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 49.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-1-6-12
Site: Hexcel-Sediment

Lab Sample No: 447497
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
Chloromethane	ND	900
Bromomethane	ND	900
Vinyl Chloride	ND	900
Chloroethane	ND	900
Methylene Chloride	ND	540
Acetone	ND	900
Carbon Disulfide	ND	900
1,1-Dichloroethene	ND	360
1,1-Dichloroethane	ND	900
trans-1,2-Dichloroethene	ND	900
cis-1,2-Dichloroethene	ND	900
Chloroform	ND	900
1,2-Dichloroethane	ND	360
2-Butanone	ND	900
1,1,1-Trichloroethane	ND	900
Carbon Tetrachloride	ND	360
Bromodichloromethane	ND	180
1,2-Dichloropropane	ND	180
cis-1,3-Dichloropropene	ND	900
Trichloroethene	ND	180
Dibromochloromethane	ND	900
1,1,2-Trichloroethane	ND	540
Benzene	150 J	180
trans-1,3-Dichloropropene	ND	900
Bromoform	ND	720
4-Methyl-2-Pentanone	ND	900
2-Hexanone	ND	900
Tetrachloroethene	ND	180
1,1,2,2-Tetrachloroethane	ND	180
Toluene	ND	900
Chlorobenzene	810 J	900
Ethylbenzene	ND	720
Styrene	ND	900
Xylene (Total)	ND	900

Client ID: **SED-1-6-12**
Site: Hexcel-Sediment

Lab Sample No: **447497**
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>
	Units: ug/kg (Dry Weight)	Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	900
1,4-Dichlorobenzene	ND	900
1,2-Dichlorobenzene	ND	900

Client ID: SED-1-6-12
Site: Hexcel-Sediment

Lab Sample No: 447497
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-2-0-6
Site: Hexcel-Sediment

Lab Sample No: 447498
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 27

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results	Quantitation
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	850
Bromomethane	ND	850
Vinyl Chloride	ND	850
Chloroethane	ND	850
Methylene Chloride	ND	510
Acetone	ND	850
Carbon Disulfide	ND	850
1,1-Dichloroethene	ND	340
1,1-Dichloroethane	ND	850
trans-1,2-Dichloroethene	ND	850
cis-1,2-Dichloroethene	ND	850
Chloroform	ND	850
1,2-Dichloroethane	ND	340
2-Butanone	ND	850
1,1,1-Trichloroethane	ND	850
Carbon Tetrachloride	ND	340
Bromodichloromethane	ND	170
1,2-Dichloropropane	ND	170
cis-1,3-Dichloropropene	ND	850
Trichloroethene	ND	170
Dibromochloromethane	ND	850
1,1,2-Trichloroethane	ND	510
Benzene	ND	170
trans-1,3-Dichloropropene	ND	850
Bromoform	ND	680
4-Methyl-2-Pentanone	ND	850
2-Hexanone	ND	850
Tetrachloroethene	ND	170
1,1,2,2-Tetrachloroethane	ND	170
Toluene	ND	850
Chlorobenzene	3200	850
Ethylbenzene	ND	680
Styrene	ND	850
Xylene (Total)	ND	850

Client ID: SED-2-0-6
Site: Hexcel-Sediment

Lab Sample No: 447498
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 27

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>
	Units: ug/kg <u>(Dry Weight)</u>	Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	850
1,4-Dichlorobenzene	ND	850
1,2-Dichlorobenzene	ND	850

Client ID: SED-2-0-6
Site: Hexcel-Sediment

Lab Sample No: 447498
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-2-6-12
Site: Hexcel-Sediment

Lab Sample No: 447499
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 16

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	760
Bromomethane	ND	760
Vinyl Chloride	ND	760
Chloroethane	ND	760
Methylene Chloride	ND	460
Acetone	ND	760
Carbon Disulfide	ND	760
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	760
trans-1,2-Dichloroethene	ND	760
cis-1,2-Dichloroethene	ND	760
Chloroform	ND	760
1,2-Dichloroethane	ND	300
2-Butanone	ND	760
1,1,1-Trichloroethane	ND	760
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	760
Trichloroethene	ND	150
Dibromochloromethane	ND	760
1,1,2-Trichloroethane	ND	460
Benzene	ND	150
trans-1,3-Dichloropropene	ND	760
Bromoform	ND	610
4-Methyl-2-Pentanone	ND	760
2-Hexanone	ND	760
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	760
Chlorobenzene	ND	760
Ethylbenzene	ND	610
Styrene	ND	760
Xylene (Total)	ND	760

Client ID: SED-2-6-12
Site: Hexcel-Sediment

Lab Sample No: 447499
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 16

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg <u>(Dry Weight)</u>	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	760
1,4-Dichlorobenzene	ND	760
1,2-Dichlorobenzene	ND	760

Client ID: SED-2-6-12
Site: Hexcel-Sediment

Lab Sample No: 447499
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 16.2

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-3-0-6
Site: Hexcel-Sediment

Lab Sample No: 447500
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29351.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	750
Bromomethane	ND	750
Vinyl Chloride	ND	750
Chloroethane	ND	750
Methylene Chloride	ND	450
Acetone	ND	750
Carbon Disulfide	ND	750
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	750
trans-1,2-Dichloroethene	ND	750
cis-1,2-Dichloroethene	ND	750
Chloroform	ND	750
1,2-Dichloroethane	ND	300
2-Butanone	ND	750
1,1,1-Trichloroethane	ND	750
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	750
Trichloroethene	ND	150
Dibromochloromethane	ND	750
1,1,2-Trichloroethane	ND	450
Benzene	180	150
trans-1,3-Dichloropropene	ND	750
Bromoform	ND	600
4-Methyl-2-Pentanone	ND	750
2-Hexanone	ND	750
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	180 J	750
Chlorobenzene	16000	750
Ethylbenzene	200 J	600
Styrene	ND	750
Xylene (Total)	ND	750

Client ID: SED-3-0-6
Site: Hexcel-Sediment

Lab Sample No: 447500
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29351.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	57 J	750
1,4-Dichlorobenzene	470 J	750
1,2-Dichlorobenzene	460 J	750

Client ID: SED-3-0-6
Site: Hexcel-Sediment

Lab Sample No: 447500
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29351.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24.5

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-3-6-12
Site: Hexcel-Sediment

Lab Sample No: 447501
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29352.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.6 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 27

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation Limit</u> Units: ug/kg
Chloromethane	ND	800
Bromomethane	ND	800
Vinyl Chloride	ND	800
Chloroethane	ND	800
Methylene Chloride	ND	480
Acetone	ND	800
Carbon Disulfide	ND	800
1,1-Dichloroethene	ND	320
1,1-Dichloroethane	ND	800
trans-1,2-Dichloroethene	ND	800
cis-1,2-Dichloroethene	ND	800
Chloroform	ND	800
1,2-Dichloroethane	ND	320
2-Butanone	ND	800
1,1,1-Trichloroethane	ND	800
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	800
Trichloroethene	ND	160
Dibromochloromethane	ND	800
1,1,2-Trichloroethane	ND	480
Benzene	250	160
trans-1,3-Dichloropropene	ND	800
Bromoform	ND	640
4-Methyl-2-Pentanone	ND	800
2-Hexanone	ND	800
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	370 J	800
Chlorobenzene	20000	800
Ethylbenzene	320 J	640
Styrene	ND	800
Xylene (Total)	ND	800

Client ID: SED-3-6-12
Site: Hexcel-Sediment

Lab Sample No: 447501
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29352.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.6 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 27

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
1,3-Dichlorobenzene	83 J	800
1,4-Dichlorobenzene	590 J	800
1,2-Dichlorobenzene	1400	800

Client ID: SED-3-6-12
Site: Hexcel-Sediment

Lab Sample No: 447501
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29352.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.6 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-4-0-6
Site: Hexcel-Sediment

Lab Sample No: 447502
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29353.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	750
Bromomethane	ND	750
Vinyl Chloride	ND	750
Chloroethane	ND	750
Methylene Chloride	ND	450
Acetone	ND	750
Carbon Disulfide	ND	750
1,1-Dichloroethene	ND	300
1,1-Dichloroethane	ND	750
trans-1,2-Dichloroethene	ND	750
cis-1,2-Dichloroethene	ND	750
Chloroform	ND	750
1,2-Dichloroethane	ND	300
2-Butanone	ND	750
1,1,1-Trichloroethane	ND	750
Carbon Tetrachloride	ND	300
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	750
Trichloroethene	ND	150
Dibromochloromethane	ND	750
1,1,2-Trichloroethane	ND	450
Benzene	ND	150
trans-1,3-Dichloropropene	ND	750
Bromoform	ND	600
4-Methyl-2-Pentanone	ND	750
2-Hexanone	ND	750
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	750
Chlorobenzene	1800	750
Ethylbenzene	ND	600
Styrene	ND	750
Xylene (Total)	ND	750

Client ID: SED-4-0-6
Site: Hexcel-Sediment

Lab Sample No: 447502
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29353.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>
	Units: ug/kg (Dry Weight)	Limit <u>Units: ug/kg</u>
1, 3-Dichlorobenzene	ND	750
1, 4-Dichlorobenzene	73 J	750
1, 2-Dichlorobenzene	71 J	750

Client ID: SED-4-0-6
Site: Hexcel-Sediment

Lab Sample No: 447502
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29353.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 18.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-4-6-12
Site: Hexcel-Sediment

Lab Sample No: 447503
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29354.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
Chloromethane	ND	740
Bromomethane	ND	740
Vinyl Chloride	ND	740
Chloroethane	ND	740
Methylene Chloride	ND	440
Acetone	ND	740
Carbon Disulfide	ND	740
1,1-Dichloroethene	ND	290
1,1-Dichloroethane	ND	740
trans-1,2-Dichloroethene	ND	740
cis-1,2-Dichloroethene	ND	740
Chloroform	ND	740
1,2-Dichloroethane	ND	290
2-Butanone	ND	740
1,1,1-Trichloroethane	ND	740
Carbon Tetrachloride	ND	290
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	740
Trichloroethene	ND	150
Dibromochloromethane	ND	740
1,1,2-Trichloroethane	ND	440
Benzene	ND	150
trans-1,3-Dichloropropene	ND	740
Bromoform	ND	590
4-Methyl-2-Pentanone	ND	740
2-Hexanone	ND	740
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	740
Chlorobenzene	790	740
Ethylbenzene	ND	590
Styrene	ND	740
Xylene (Total)	ND	740

Client ID: SED-4-6-12
Site: Hexcel-Sediment

Lab Sample No: 447503
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29354.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	740
1,4-Dichlorobenzene	ND	740
1,2-Dichlorobenzene	ND	740

Client ID: **SED-4-6-12**
Site: Hexcel-Sediment

Lab Sample No: **447503**
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29354.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-5-0-6
Site: Hexcel-Sediment

Lab Sample No: 447504
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29355.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	840
Bromomethane	ND	840
Vinyl Chloride	ND	840
Chloroethane	ND	840
Methylene Chloride	ND	500
Acetone	ND	840
Carbon Disulfide	ND	840
1,1-Dichloroethene	ND	340
1,1-Dichloroethane	ND	840
trans-1,2-Dichloroethene	ND	840
cis-1,2-Dichloroethene	ND	840
Chloroform	ND	840
1,2-Dichloroethane	ND	340
2-Butanone	ND	840
1,1,1-Trichloroethane	ND	840
Carbon Tetrachloride	ND	340
Bromodichloromethane	ND	170
1,2-Dichloropropane	ND	170
cis-1,3-Dichloropropene	ND	840
Trichloroethene	ND	170
Dibromochloromethane	ND	840
1,1,2-Trichloroethane	ND	500
Benzene	ND	170
trans-1,3-Dichloropropene	ND	840
Bromoform	ND	670
4-Methyl-2-Pentanone	ND	840
2-Hexanone	ND	840
Tetrachloroethene	ND	170
1,1,2,2-Tetrachloroethane	ND	170
Toluene	ND	840
Chlorobenzene	ND	840
Ethylbenzene	ND	670
Styrene	ND	840
Xylene (Total)	ND	840

Client ID: SED-5-0-6
Site: Hexcel-Sediment

Lab Sample No: 447504
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29355.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	840
1,4-Dichlorobenzene	ND	840
1,2-Dichlorobenzene	ND	840

Client ID: SED-5-0-6
Site: Hexcel-Sediment

Lab Sample No: 447504
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29355.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-5-6-12
Site: Hexcel-Sediment

Lab Sample No: 447505
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29356.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg
Chloromethane	ND	790
Bromomethane	ND	790
Vinyl Chloride	ND	790
Chloroethane	ND	790
Methylene Chloride	ND	480
Acetone	ND	790
Carbon Disulfide	ND	790
1,1-Dichloroethene	ND	320
1,1-Dichloroethane	ND	790
trans-1,2-Dichloroethene	ND	790
cis-1,2-Dichloroethene	ND	790
Chloroform	ND	790
1,2-Dichloroethane	ND	320
2-Butanone	ND	790
1,1,1-Trichloroethane	ND	790
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	790
Trichloroethene	ND	160
Dibromochloromethane	ND	790
1,1,2-Trichloroethane	ND	480
Benzene	ND	160
trans-1,3-Dichloropropene	ND	790
Bromoform	ND	640
4-Methyl-2-Pentanone	ND	790
2-Hexanone	ND	790
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	ND	790
Chlorobenzene	280 J	790
Ethylbenzene	ND	640
Styrene	ND	790
Xylene (Total)	ND	790

Client ID: SED-5-6-12
Site: Hexcel-Sediment

Lab Sample No: 447505
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29356.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 24

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	790
1,4-Dichlorobenzene	ND	790
1,2-Dichlorobenzene	ND	790

Client ID: SED-5-6-12
Site: Hexcel-Sediment

Lab Sample No: 447505
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29356.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 23.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-6-0-6
Site: Hexcel-Sediment

Lab Sample No: 447506
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29368.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	770
Bromomethane	ND	770
Vinyl Chloride	ND	770
Chloroethane	ND	770
Methylene Chloride	ND	460
Acetone	ND	770
Carbon Disulfide	ND	770
1,1-Dichloroethene	ND	310
1,1-Dichloroethane	ND	770
trans-1,2-Dichloroethene	ND	770
cis-1,2-Dichloroethene	ND	770
Chloroform	ND	770
1,2-Dichloroethane	ND	310
2-Butanone	ND	770
1,1,1-Trichloroethane	ND	770
Carbon Tetrachloride	ND	310
Bromodichloromethane	ND	150
1,2-Dichloropropane	ND	150
cis-1,3-Dichloropropene	ND	770
Trichloroethene	ND	150
Dibromochloromethane	ND	770
1,1,2-Trichloroethane	ND	460
Benzene	ND	150
trans-1,3-Dichloropropene	ND	770
Bromoform	ND	610
4-Methyl-2-Pentanone	ND	770
2-Hexanone	ND	770
Tetrachloroethene	ND	150
1,1,2,2-Tetrachloroethane	ND	150
Toluene	ND	770
Chlorobenzene	ND	770
Ethylbenzene	ND	610
Styrene	ND	770
Xylene (Total)	ND	770

Client ID: SED-6-0-6
Site: Hexcel-Sediment

Lab Sample No: 447506
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29368.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

Parameter

Analytical Results	Quantitation
Units: ug/kg	Limit
(Dry Weight)	Units: ug/kg

1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene

ND 770
ND 770
ND 770

Client ID: SED-6-0-6
Site: Hexcel-Sediment

Lab Sample No: 447506
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29368.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.4

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SED-6-6-12
Site: Hexcel-Sediment

Lab Sample No: 447507
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29369.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>
	Units: ug/kg (Dry Weight)	Limit Units: ug/kg
Chloromethane	ND	800
Bromomethane	ND	800
Vinyl Chloride	ND	800
Chloroethane	ND	800
Methylene Chloride	ND	480
Acetone	ND	800
Carbon Disulfide	ND	800
1,1-Dichloroethene	ND	320
1,1-Dichloroethane	ND	800
trans-1,2-Dichloroethene	ND	800
cis-1,2-Dichloroethene	ND	800
Chloroform	ND	800
1,2-Dichloroethane	ND	320
2-Butanone	ND	800
1,1,1-Trichloroethane	ND	800
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	800
Trichloroethene	ND	160
Dibromochloromethane	ND	800
1,1,2-Trichloroethane	ND	480
Benzene	ND	160
trans-1,3-Dichloropropene	ND	800
Bromoform	ND	640
4-Methyl-2-Pentanone	ND	800
2-Hexanone	ND	800
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	ND	800
Chlorobenzene	ND	800
Ethylbenzene	ND	640
Styrene	ND	800
Xylene (Total)	ND	800

Client ID: SED-6-6-12
Site: Hexcel-Sediment

Lab Sample No: 447507
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29369.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 26

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	800
1,4-Dichlorobenzene	ND	800
1,2-Dichlorobenzene	ND	800

Client ID: SED-6-6-12
Site: Hexcel-Sediment

Lab Sample No: 447507
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29369.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-7-0-6
Site: Hexcel-Sediment

Lab Sample No: 447508
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29370.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 37

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	880
Bromomethane	ND	880
Vinyl Chloride	ND	880
Chloroethane	ND	880
Methylene Chloride	ND	530
Acetone	ND	880
Carbon Disulfide	ND	880
1,1-Dichloroethene	ND	350
1,1-Dichloroethane	ND	880
trans-1,2-Dichloroethene	ND	880
cis-1,2-Dichloroethene	ND	880
Chloroform	ND	880
1,2-Dichloroethane	ND	350
2-Butanone	ND	880
1,1,1-Trichloroethane	ND	880
Carbon Tetrachloride	ND	350
Bromodichloromethane	ND	180
1,2-Dichloropropane	ND	180
cis-1,3-Dichloropropene	ND	880
Trichloroethene	ND	180
Dibromochloromethane	ND	880
1,1,2-Trichloroethane	ND	530
Benzene	ND	180
trans-1,3-Dichloropropene	ND	880
Bromoform	ND	700
4-Methyl-2-Pentanone	ND	880
2-Hexanone	ND	880
Tetrachloroethene	ND	180
1,1,2,2-Tetrachloroethane	ND	180
Toluene	ND	880
Chlorobenzene	ND	880
Ethylbenzene	ND	700
Styrene	ND	880
Xylene (Total)	ND	880

Client ID: SED-7-0-6
Site: Hexcel-Sediment

Lab Sample No: 447508
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29370.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 37

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	880
1,4-Dichlorobenzene	ND	880
1,2-Dichlorobenzene	ND	880

Client ID: SED-7-0-6
Site: Hexcel-Sediment

Lab Sample No: 447508
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29370.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.3 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 37.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SED-7-6-12
Site: Hexcel-Sediment

Lab Sample No: 447509
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29371.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 32

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
Chloromethane	ND	800
Bromomethane	ND	800
Vinyl Chloride	ND	800
Chloroethane	ND	800
Methylene Chloride	ND	480
Acetone	ND	800
Carbon Disulfide	ND	800
1,1-Dichloroethene	ND	320
1,1-Dichloroethane	ND	800
trans-1,2-Dichloroethene	ND	800
cis-1,2-Dichloroethene	160 J	800
Chloroform	ND	800
1,2-Dichloroethane	ND	320
2-Butanone	ND	800
1,1,1-Trichloroethane	ND	800
Carbon Tetrachloride	ND	320
Bromodichloromethane	ND	160
1,2-Dichloropropane	ND	160
cis-1,3-Dichloropropene	ND	800
Trichloroethene	ND	160
Dibromochloromethane	ND	800
1,1,2-Trichloroethane	ND	480
Benzene	ND	160
trans-1,3-Dichloropropene	ND	800
Bromoform	ND	640
4-Methyl-2-Pentanone	ND	800
2-Hexanone	ND	800
Tetrachloroethene	ND	160
1,1,2,2-Tetrachloroethane	ND	160
Toluene	ND	800
Chlorobenzene	ND	800
Ethylbenzene	ND	640
Styrene	ND	800
Xylene (Total)	ND	800

Client ID: SED-7-6-12
Site: Hexcel-Sediment

Lab Sample No: 447509
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29371.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 32

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	800
1,4-Dichlorobenzene	ND	800
1,2-Dichlorobenzene	ND	800

Client ID: SED-7-6-12
Site: Hexcel-Sediment

Lab Sample No: 447509
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/07/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29371.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.5 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 31.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-1
Site: Hexcel-Sediment

Lab Sample No: 447510
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59051.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.3	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	2.3	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-1
Site: Hexcel-Sediment

Lab Sample No: 447510
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59051.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-1
Site: Hexcel-Sediment

Lab Sample No: 447510
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59051.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624**

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-2
Site: Hexcel-Sediment

Lab Sample No: 447511
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59052.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.3	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	1.4	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-2
Site: Hexcel-Sediment

Lab Sample No: 447511
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59052.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u>	<u>Method Detection Limit</u>
	<u>Units: ug/l</u>	<u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-2
Site: Hexcel-Sediment

Lab Sample No: 447511
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59052.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-3
Site: Hexcel-Sediment

Lab Sample No: 447512
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59053.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	2.0	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-3
Site: Hexcel-Sediment

Lab Sample No: 447512
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59053.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter

Analytical Result
Units: ug/l

Method Detection
Limit
Units: ug/l

1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene

ND
ND
ND
0.4
0.3
0.3

Client ID: SW-3
Site: Hexcel-Sediment

Lab Sample No: 447512
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59053.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
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TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SW-4
Site: Hexcel-Sediment

Lab Sample No: 447513
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59054.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.4	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-4
Site: Hexcel-Sediment

Lab Sample No: 447513
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59054.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-4
Site: Hexcel-Sediment

Lab Sample No: 447513
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59054.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

**VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624**

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SW-5
Site: Hexcel-Sediment

Lab Sample No: 447514
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59055.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.4	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-5
Site: Hexcel-Sediment

Lab Sample No: 447514
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59055.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-5
Site: Hexcel-Sediment

Lab Sample No: 447514
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59055.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION

0.0

Client ID: SW-6
Site: Hexcel-Sediment

Lab Sample No: 447515
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59056.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.4	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-6
Site: Hexcel-Sediment

Lab Sample No: 447515
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59056.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-6
Site: Hexcel-Sediment

Lab Sample No: 447515
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59056.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
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22.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-7
Site: Hexcel-Sediment

Lab Sample No: 447516
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59057.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.4	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-7
Site: Hexcel-Sediment

Lab Sample No: 447516
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59057.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-7
Site: Hexcel-Sediment

Lab Sample No: 447516
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59057.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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19.			
20.			
21.			
22.			
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24.			
25.			
26.			
27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-600
Site: Hexcel-Sediment

Lab Sample No: 447517
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59058.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection</u> <u>Limit</u> <u>Units: ug/l</u>
Chloromethane	ND	0.5
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.5
Chloroethane	ND	0.5
Methylene Chloride	ND	0.8
Acetone	ND	1.0
Carbon Disulfide	ND	0.2
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.2
trans-1,2-Dichloroethene	ND	0.2
cis-1,2-Dichloroethene	ND	0.2
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	2.5
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.4
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.2
Trichloroethene	ND	0.2
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.2
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	1.0
Tetrachloroethene	0.4	0.3
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Styrene	ND	0.3
Xylene (Total)	ND	0.2

Client ID: SW-600
Site: Hexcel-Sediment

Lab Sample No: 447517
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59058.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

<u>Parameter</u>	<u>Analytical Result</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.3
1,2-Dichlorobenzene	ND	0.3

Client ID: SW-600
Site: Hexcel-Sediment

Lab Sample No: 447517
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Analyzed: 08/09/03
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v59058.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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27.			
28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: TripBlank
Site: Hexcel-Sediment

Lab Sample No: 447518
Lab Job No: L759

Date Sampled: 07/30/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29342.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg</u>
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	380
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	380
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	500
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: TripBlank
Site: Hexcel-Sediment

Lab Sample No: 447518
Lab Job No: L759

Date Sampled: 07/30/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29342.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 8260B

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>
	Units: ug/kg	Limit <u>Units: ug/kg</u>
1,3-Dichlorobenzene	ND	620
1,4-Dichlorobenzene	ND	620
1,2-Dichlorobenzene	ND	620

Client ID: TripBlank
Site: Hexcel-Sediment

Lab Sample No: 447518
Lab Job No: L759

Date Sampled: 07/30/03
Date Received: 07/31/03
Date Analyzed: 08/06/03
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a29342.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
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28.			
29.			
30.			
TOTAL ESTIMATED CONCENTRATION		0.0	

Client ID: SW-1
Site: Hexcel-Sediment

Lab Sample ID: 447510
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 890 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037656.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-2
Site: Hexcel-Sediment

Lab Sample ID: 447511
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 910 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037657.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-3
Site: Hexcel-Sediment

Lab Sample ID: 447512
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 900 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037658.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-4
Site: Hexcel-Sediment

Lab Sample ID: 447513
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 900 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037659.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u>		<u>Method Detection Limit</u>
	<u>Units:</u> ug/l	<u>Units:</u> ug/l	
Aroclor-1016	ND		0.20
Aroclor-1221	ND		0.30
Aroclor-1232	ND		0.30
Aroclor-1242	ND		0.20
Aroclor-1248	ND		0.30
Aroclor-1254	ND		0.20
Aroclor-1260	ND		0.30
Aroclor-1262	ND		0.30
Aroclor-1268	ND		0.30

Client ID: SW-5
Site: Hexcel-Sediment

Lab Sample ID: 447514
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 920 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037660.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u>	<u>Method Detection</u>
	<u>Units:</u> ug/l	<u>Limit</u> <u>Units:</u> ug/l
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-6
Site: Hexcel-Sediment

Lab Sample ID: 447515
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 910 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037661.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-7
Site: Hexcel-Sediment

Lab Sample ID: 447516
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 900 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037662.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: SW-600
Site: Hexcel-Sediment

Lab Sample ID: 447517
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/06/03
Date Analyzed: 08/11/03
GC Column: StxCLP1
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 900 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr037708.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/l</u>	<u>Method Detection Limit</u> <u>Units: ug/l</u>
Aroclor-1016	ND	0.20
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.30
Aroclor-1262	ND	0.30
Aroclor-1268	ND	0.30

Client ID: **SED-1-0-6**
Site: Hexcel-Sediment

Lab Sample ID: **447496**
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020177.d
Rear File ID: qr020177.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 49

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg Column
Aroclor-1016	ND	130 R
Aroclor-1221	ND	130 R
Aroclor-1232	ND	130 R
Aroclor-1242	ND	130 R
Aroclor-1248	420	130 R
Aroclor-1254	ND	130 R
Aroclor-1260	ND	130 R
Aroclor-1262	ND	130 R
Aroclor-1268	ND	130 R

Client ID: SED-1-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447497
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020178.d
Rear File ID: qr020178.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 25

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	90	R
Aroclor-1221	ND	90	R
Aroclor-1232	ND	90	R
Aroclor-1242	ND	90	R
Aroclor-1248	ND	90	R
Aroclor-1254	ND	90	R
Aroclor-1260	ND	90	R
Aroclor-1262	ND	90	R
Aroclor-1268	ND	90	R

Client ID: SED-2-0-6
Site: Hexcel-Sediment

Lab Sample ID: 447498
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020179.d
Rear File ID: qr020179.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 27

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg	<u>Column</u>
Aroclor-1016	ND	91	R
Aroclor-1221	ND	91	R
Aroclor-1232	ND	91	R
Aroclor-1242	ND	91	R
Aroclor-1248	ND	91	R
Aroclor-1254	ND	91	R
Aroclor-1260	ND	91	R
Aroclor-1262	ND	91	R
Aroclor-1268	ND	91	R

Client ID: **SED-2-6-12**
Site: Hexcel-Sediment

Lab Sample ID: **447499**
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020188.d
Rear File ID: qr020188.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 16

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	80 R
Aroclor-1221	ND	80 R
Aroclor-1232	ND	80 R
Aroclor-1242	ND	80 R
Aroclor-1248	ND	80 R
Aroclor-1254	ND	80 R
Aroclor-1260	ND	80 R
Aroclor-1262	ND	80 R
Aroclor-1268	ND	80 R

Client ID: **SED-3-0-6**
Site: Hexcel-Sediment

Lab Sample ID: **447500**
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020189.d
Rear File ID: qr020189.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 24

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg	<u>Column</u>
Aroclor-1016	ND	89	R
Aroclor-1221	ND	89	R
Aroclor-1232	ND	89	R
Aroclor-1242	ND	89	R
Aroclor-1248	ND	89	R
Aroclor-1254	ND	89	R
Aroclor-1260	ND	89	R
Aroclor-1262	ND	89	R
Aroclor-1268	ND	89	R

Client ID: SED-3-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447501
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/18/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020256.d
Rear File ID: qr020256.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 27

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg Column
Aroclor-1016	ND	91 R
Aroclor-1221	ND	91 R
Aroclor-1232	ND	91 R
Aroclor-1242	ND	91 R
Aroclor-1248	ND	91 R
Aroclor-1254	ND	91 R
Aroclor-1260	ND	91 R
Aroclor-1262	ND	91 R
Aroclor-1268	ND	91 R

Client ID: SED-4-0-6
Site: Hexcel-Sediment

Lab Sample ID: 447502
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020191.d
Rear File ID: qr020191.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 19

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg Column	
Aroclor-1016	ND	82	R
Aroclor-1221	ND	82	R
Aroclor-1232	ND	82	R
Aroclor-1242	ND	82	R
Aroclor-1248	ND	82	R
Aroclor-1254	ND	82	R
Aroclor-1260	ND	82	R
Aroclor-1262	ND	82	R
Aroclor-1268	ND	82	R

Client ID: SED-4-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447503
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020185.d
Rear File ID: qr020185.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 24

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	Units: <u>(Dry Weight)</u>	Limit	Units: ug/kg	Column
Aroclor-1016	ND	88	R	
Aroclor-1221	ND	88	R	
Aroclor-1232	ND	88	R	
Aroclor-1242	ND	88	R	
Aroclor-1248	ND	88	R	
Aroclor-1254	ND	88	R	
Aroclor-1260	ND	88	R	
Aroclor-1262	ND	88	R	
Aroclor-1268	ND	88	R	

Client ID: SED-5-0-6
Site: Hexcel-Sediment

Lab Sample ID: 447504
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020192.d
Rear File ID: qr020192.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 26

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	90 R
Aroclor-1221	ND	90 R
Aroclor-1232	ND	90 R
Aroclor-1242	ND	90 R
Aroclor-1248	ND	90 R
Aroclor-1254	ND	90 F
Aroclor-1260	490	90 R
Aroclor-1262	ND	90 R
Aroclor-1268	ND	90 R

Client ID: SED-5-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447505
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020193.d
Rear File ID: qr020193.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 24

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results		Quantitation	
	Units: ug/kg (Dry Weight)	Limit	Units: ug/kg	Column
Aroclor-1016	ND	88	R	
Aroclor-1221	ND	88	R	
Aroclor-1232	ND	88	R	
Aroclor-1242	ND	88	R	
Aroclor-1248	ND	88	R	
Aroclor-1254	ND	88	R	
Aroclor-1260	ND	88	R	
Aroclor-1262	ND	88	R	
Aroclor-1268	ND	88	R	

Client ID: SED-6-0-6
Site: Hexcel-Sediment

Lab Sample ID: 447506
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020194.d
Rear File ID: qr020194.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	86	R
Aroclor-1221	ND	86	R
Aroclor-1232	ND	86	R
Aroclor-1242	ND	86	R
Aroclor-1248	ND	86	R
Aroclor-1254	ND	86	R
Aroclor-1260	ND	86	R
Aroclor-1262	ND	86	R
Aroclor-1268	ND	86	R

Client ID: SED-6-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447507
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020195.d
Rear File ID: qr020195.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 26

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	90	R
Aroclor-1221	ND	90	R
Aroclor-1232	ND	90	R
Aroclor-1242	ND	90	R
Aroclor-1248	ND	90	R
Aroclor-1254	ND	90	R
Aroclor-1260	ND	90	R
Aroclor-1262	ND	90	R
Aroclor-1268	ND	90	R

Client ID: SED-7-0-6
Site: Hexcel-Sediment

Lab Sample ID: 447508
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020196.d
Rear File ID: qr020196.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 37

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> <u>Units:</u> ug/kg <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units:</u> ug/kg <u>Column</u>
Aroclor-1016	ND	110 R
Aroclor-1221	ND	110 R
Aroclor-1232	ND	110 R
Aroclor-1242	ND	110 R
Aroclor-1248	ND	110 R
Aroclor-1254	ND	110 R
Aroclor-1260	ND	110 R
Aroclor-1262	ND	110 R
Aroclor-1268	ND	110 R

Client ID: SED-7-6-12
Site: Hexcel-Sediment

Lab Sample ID: 447509
Lab Job No: L759

Date Sampled: 07/31/03
Date Received: 07/31/03
Date Extracted: 08/14/03
Date Analyzed: 08/16/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020197.d
Rear File ID: qr020197.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 32

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	98	R
Aroclor-1221	ND	98	R
Aroclor-1232	ND	98	R
Aroclor-1242	ND	98	R
Aroclor-1248	ND	98	R
Aroclor-1254	ND	98	R
Aroclor-1260	ND	98	R
Aroclor-1262	ND	98	R
Aroclor-1268	ND	98	R

Site: Hexcel-Sediment

Lab Job No: L759

Date Received: 07/31/2003

Date Extracted: 08/09/2003

Matrix: WATER

Date Analyzed: 08/09/2003

QA Batch: 1741

Hardness (Titrimetric)

<u>STL Edison Client ID</u>		<u>Sample Date</u>	<u>Dilution Factor</u>	<u>Analytical Result Units: mg/l</u>
447510	SW-1	07/31/2003	1.0	228
447511	SW-2	07/31/2003	1.0	224
447512	SW-3	07/31/2003	1.0	232
447513	SW-4	07/31/2003	1.0	230
447514	SW-5	07/31/2003	1.0	228
447515	SW-6	07/31/2003	1.0	230
447516	SW-7	07/31/2003	1.0	224
447517	SW-600	07/31/2003	1.0	232

Quantitation Limit for Hardness (Titrimetric) is 5.0 mg/l.

Site: Hexcel-Sediment

Lab Job No: L759

Date Received: 07/31/2003

Date Analyzed: 07/31/2003

Matrix: WATER

QA Batch: 2340

pH

<u>STL Edison Client ID</u>	<u>Sample</u>	<u>Analytical Result</u>
<u>Sample #</u>	<u>Date</u>	<u>Units: std unit</u>
447510	SW-1	07/31/2003
447511	SW-2	07/31/2003
447512	SW-3	07/31/2003
447513	SW-4	07/31/2003
447514	SW-5	07/31/2003
447515	SW-6	07/31/2003
447516	SW-7	07/31/2003
447517	SW-600	07/31/2003

X - The maximum holding time specified in 40 CFR 136.3(e) for Chlorine (total residual), Hydrogen Ion (pH) Dissolved Oxygen (probe), Sulfite and Temperature is "Analyze immediately". The NJDEP Office of Quality Assurance interprets this to mean within 15 minutes. Analysis outside holding time may not be reported to NJDEP for water pollution or drinking water programs.

Site: Hexcel-Sediment

Lab Job No: L759

Date Received: 07/31/2003

Date Analyzed: 08/02/2003

Matrix: SOIL

QA Batch: 2342

pH

<u>STL Edison Client ID</u>	<u>Sample Date</u>	<u>Analytical Result</u> <u>Units: std unit</u>
447496 SED-1-0-6	07/31/2003	7.51
447497 SED-1-6-12	07/31/2003	7.63
447498 SED-2-0-6	07/31/2003	7.15
447499 SED-2-6-12	07/31/2003	7.25
447500 SED-3-0-6	07/31/2003	7.17
447501 SED-3-6-12	07/31/2003	7.39
447502 SED-4-0-6	07/31/2003	7.13
447503 SED-4-6-12	07/31/2003	7.12
447504 SED-5-0-6	07/31/2003	7.35
447505 SED-5-6-12	07/31/2003	7.06
447506 SED-6-0-6	07/31/2003	7.66
447507 SED-6-6-12	07/31/2003	7.54
447508 SED-7-0-6	07/31/2003	7.02
447509 SED-7-6-12	07/31/2003	7.11

Site: Hexcel-Sediment

Lab Job No: L759

Date Received: 07/31/2003

Date Analyzed: 08/05/2003

Matrix: SOIL

QA Batch: 2398

Total Organic Carbon

<u>STL Edison</u>	<u>Client ID</u>	<u>Sample Date</u>	<u>Percent Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result</u> <u>Units: mg/kg (Dry Weight)</u>
<u>Sample #</u>					
447496	SED-1-0-6	07/31/2003	49.4	2.0	9260
447497	SED-1-6-12	07/31/2003	25.2	1.0	372
447498	SED-2-0-6	07/31/2003	26.7	2.0	7980
447499	SED-2-6-12	07/31/2003	16.2	2.0	958
447500	SED-3-0-6	07/31/2003	24.5	2.0	4030
447501	SED-3-6-12	07/31/2003	26.7	2.0	3530
447502	SED-4-0-6	07/31/2003	18.8	2.0	2030
447503	SED-4-6-12	07/31/2003	24.1	1.0	1370
447504	SED-5-0-6	07/31/2003	25.8	1.0	2670
447505	SED-5-6-12	07/31/2003	23.6	4.0	14700
447506	SED-6-0-6	07/31/2003	22.4	1.0	6020
447507	SED-6-6-12	07/31/2003	25.9	5.0	12700
447508	SED-7-0-6	07/31/2003	37.0	1.0	5260
447509	SED-7-6-12	07/31/2003	31.9	10.0	45200

Quantitation Limit for Total Organic Carbon is 100 mg/kg.

**Laboratory Data Summary Sheets:
Storm Sewer Outfall Area of Concern**

881880173

Client ID: SED-8-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447231
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/08/03
Date Analyzed: 08/11/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf020041.d
Rear File ID: qr020041.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 26

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg	<u>Column</u>
Aroclor-1016	ND	90	R
Aroclor-1221	ND	90	R
Aroclor-1232	ND	90	R
Aroclor-1242	ND	90	R
Aroclor-1248	ND	90	R
Aroclor-1254	ND	90	R
Aroclor-1260	ND	90	R
Aroclor-1262	ND	90	R
Aroclor-1268	ND	90	R

Client ID: SED-8-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447232
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019911.d
Rear File ID: qr019911.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg Column</u>
Aroclor-1016	ND	86 R
Aroclor-1221	ND	86 R
Aroclor-1232	ND	86 R
Aroclor-1242	520	86 R
Aroclor-1248	ND	86 R
Aroclor-1254	ND	86 R
Aroclor-1260	ND	86 R
Aroclor-1262	ND	86 R
Aroclor-1268	ND	86 R

Client ID: SED-9-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447233
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019912.d
Rear File ID: qr019912.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 34

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> <u>Units: ug/kg</u> <u>(Dry Weight)</u>	<u>Quantitation</u> <u>Limit</u> <u>Units: ug/kg Column</u>
Aroclor-1016	ND	100 R
Aroclor-1221	ND	100 R
Aroclor-1232	ND	100 R
Aroclor-1242	ND	100 R
Aroclor-1248	ND	100 R
Aroclor-1254	ND	100 R
Aroclor-1260	ND	100 R
Aroclor-1262	ND	100 R
Aroclor-1268	ND	100 R

Client ID: SED-9-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447234
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019913.d
Rear File ID: qr019913.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 28

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg Column</u>
Aroclor-1016	ND	93 R
Aroclor-1221	ND	93 R
Aroclor-1232	ND	93 R
Aroclor-1242	ND	93 R
Aroclor-1248	ND	93 R
Aroclor-1254	ND	93 R
Aroclor-1260	ND	93 R
Aroclor-1262	ND	93 R
Aroclor-1268	ND	93 R

Client ID: SED-10-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447235
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019914.d
Rear File ID: qr019914.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	86	R
Aroclor-1221	ND	86	R
Aroclor-1232	ND	86	R
Aroclor-1242	ND	86	R
Aroclor-1248	ND	86	R
Aroclor-1254	ND	86	R
Aroclor-1260	ND	86	R
Aroclor-1262	ND	86	R
Aroclor-1268	ND	86	R

Client ID: SED-10-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447236
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019915.d
Rear File ID: qr019915.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 28

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg Column</u>
Aroclor-1016	ND	93 R
Aroclor-1221	ND	93 R
Aroclor-1232	ND	93 R
Aroclor-1242	ND	93 R
Aroclor-1248	ND	93 R
Aroclor-1254	ND	93 R
Aroclor-1260	ND	93 R
Aroclor-1262	ND	93 R
Aroclor-1268	ND	93 R

Client ID: SED-12-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447237
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019916.d
Rear File ID: qr019916.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 25

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>	<u>Quantitation</u>	
	Units: ug/kg <u>(Dry Weight)</u>	Limit	Units: ug/kg <u>Column</u>
Aroclor-1016	ND	90	R
Aroclor-1221	ND	90	R
Aroclor-1232	ND	90	R
Aroclor-1242	ND	90	R
Aroclor-1248	ND	90	R
Aroclor-1254	ND	90	R
Aroclor-1260	ND	90	R
Aroclor-1262	ND	90	R
Aroclor-1268	ND	90	R

Client ID: SED-12-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447238
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019917.d
Rear File ID: qr019917.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	80 R
Aroclor-1221	ND	80 R
Aroclor-1232	ND	80 R
Aroclor-1242	ND	80 R
Aroclor-1248	ND	80 R
Aroclor-1254	ND	80 R
Aroclor-1260	ND	80 R
Aroclor-1262	ND	80 R
Aroclor-1268	ND	80 R

Client ID: SED-13-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447241
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019920.d
Rear File ID: qr019920.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 14

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u>	<u>Column</u>
Aroclor-1016	ND	78	R
Aroclor-1221	ND	78	R
Aroclor-1232	ND	78	R
Aroclor-1242	ND	78	R
Aroclor-1248	ND	78	R
Aroclor-1254	ND	78	R
Aroclor-1260	ND	78	R
Aroclor-1262	ND	78	R
Aroclor-1268	ND	78	R

Client ID: **SED-13-6-12**
Site: Hexcel-Sed Investig

Lab Sample ID: **447242**
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019921.d
Rear File ID: qr019921.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 17

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit Units: ug/kg Column	
Aroclor-1016	ND	81	R
Aroclor-1221	ND	81	R
Aroclor-1232	ND	81	R
Aroclor-1242	720	81	R
Aroclor-1248	ND	81	R
Aroclor-1254	ND	81	R
Aroclor-1260	ND	81	R
Aroclor-1262	ND	81	R
Aroclor-1268	ND	81	R

Client ID: SED-11-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447243
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/08/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019975.d
Rear File ID: qr019975.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	85 R
Aroclor-1221	ND	85 R
Aroclor-1232	ND	85 R
Aroclor-1242	ND	85 R
Aroclor-1248	ND	85 R
Aroclor-1254	ND	85 R
Aroclor-1260	ND	85 R
Aroclor-1262	ND	85 R
Aroclor-1268	ND	85 R

Client ID: SED-11-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447244
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/08/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019976.d
Rear File ID: qr019976.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 25

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	89 R
Aroclor-1221	ND	89 R
Aroclor-1232	ND	89 R
Aroclor-1242	ND	89 R
Aroclor-1248	ND	89 R
Aroclor-1254	ND	89 R
Aroclor-1260	ND	89 R
Aroclor-1262	340	89 F
Aroclor-1268	ND	89 R

Client ID: SED-14-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447245
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019958.d
Rear File ID: qr019958.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 24

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	88 R
Aroclor-1221	ND	88 R
Aroclor-1232	ND	88 R
Aroclor-1242	ND	88 R
Aroclor-1248	ND	88 R
Aroclor-1254	ND	88 R
Aroclor-1260	ND	88 R
Aroclor-1262	ND	88 R
Aroclor-1268	ND	88 R

Client ID: SED-13-12-18
Site: Hexcel-Sed Investig

Lab Sample ID: 447239
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019918.d
Rear File ID: qr019918.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 20

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	84 R
Aroclor-1221	ND	84 R
Aroclor-1232	430	84 R
Aroclor-1242	ND	84 R
Aroclor-1248	ND	84 R
Aroclor-1254	ND	84 R
Aroclor-1260	ND	84 R
Aroclor-1262	ND	84 R
Aroclor-1268	ND	84 R

Client ID: SED-14-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447246
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019959.d
Rear File ID: qr019959.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 15

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	78 R
Aroclor-1221	ND	78 R
Aroclor-1232	ND	78 R
Aroclor-1242	ND	78 R
Aroclor-1248	130	78 R
Aroclor-1254	ND	78 R
Aroclor-1260	ND	78 R
Aroclor-1262	ND	78 R
Aroclor-1268	ND	78 R

Client ID: SED-14-12-18
Site: Hexcel-Sed Investig

Lab Sample ID: 447247
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/08/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019977.d
Rear File ID: qr019977.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 18

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit <u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	82 R
Aroclor-1221	ND	82 R
Aroclor-1232	ND	82 R
Aroclor-1242	ND	82 R
Aroclor-1248	ND	82 R
Aroclor-1254	ND	82 R
Aroclor-1260	ND	82 R
Aroclor-1262	ND	82 R
Aroclor-1268	ND	82 R

Client ID: SED-14-18-24
Site: Hexcel-Sed Investig

Lab Sample ID: 447248
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/08/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019978.d
Rear File ID: qr019978.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 14

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	Units: ug/kg (Dry Weight)		Limit	Units: ug/kg Column
Aroclor-1016	ND		78	R
Aroclor-1221	ND		78	R
Aroclor-1232	ND		78	R
Aroclor-1242	1300		78	F
Aroclor-1248	ND		78	R
Aroclor-1254	ND		78	R
Aroclor-1260	ND		78	R
Aroclor-1262	ND		78	R
Aroclor-1268	ND		78	R

Client ID: SED-15-0-6
Site: Hexcel-Sed Investig

Lab Sample ID: 447249
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019962.d
Rear File ID: qr019962.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 22

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>
	<u>Units:</u> ug/kg <u>(Dry Weight)</u>	<u>Limit</u>	<u>Units:</u> ug/kg <u>Column</u>
Aroclor-1016	ND	86	R
Aroclor-1221	ND	86	R
Aroclor-1232	ND	86	R
Aroclor-1242	ND	86	R
Aroclor-1248	ND	86	R
Aroclor-1254	ND	86	R
Aroclor-1260	ND	86	R
Aroclor-1262	ND	86	R
Aroclor-1268	ND	86	R

Client ID: SED-15-6-12
Site: Hexcel-Sed Investig

Lab Sample ID: 447250
Lab Job No: L720

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019963.d
Rear File ID: qr019963.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 24

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u> Units: ug/kg (Dry Weight)	<u>Quantitation</u> Limit	<u>Units: ug/kg</u> <u>Column</u>
Aroclor-1016	ND	88	R
Aroclor-1221	ND	88	R
Aroclor-1232	ND	88	R
Aroclor-1242	ND	88	R
Aroclor-1248	870	88	R
Aroclor-1254	ND	88	R
Aroclor-1260	ND	88	R
Aroclor-1262	ND	88	R
Aroclor-1268	ND	88	R

Client ID: PIPE
Site: Hexcel-Sed Investig

Lab Sample ID: 447240
Lab Job No: L719

Date Sampled: 07/30/03
Date Received: 07/30/03
Date Extracted: 08/06/03
Date Analyzed: 08/07/03
GC Front Column: RtxCLP2
GC Rear Column: RtxCLP1
Instrument ID: PESTGC8.i
Front File ID: qf019919.d
Rear File ID: qr019919.d

Matrix: SOIL
Level: LOW
Sample Weight: 15 g
Extract Final Volume: 10.0 ml
Dilution Factor: 1.0
% Moisture: 10

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

<u>Parameter</u>	<u>Analytical Results</u>		<u>Quantitation</u>	
	Units: <u>(Dry Weight)</u>	Limit	Units: <u>ug/kg</u>	<u>Column</u>
Aroclor-1016	ND	74	74	R
Aroclor-1221	ND	74	74	R
Aroclor-1232	ND	74	74	R
Aroclor-1242	ND	74	74	R
Aroclor-1248	ND	74	74	R
Aroclor-1254	410	74	74	F
Aroclor-1260	290	74	74	R
Aroclor-1262	ND	74	74	R
Aroclor-1268	ND	74	74	R

Site: Hexcel-Sed Investig

Lab Job No: L720

Date Received: 07/30/2003
Matrix: SOIL

Date Analyzed: 08/02/2003
QA Batch: 2341

pH

<u>STL Edison</u>	<u>Client ID</u>	<u>Sample</u>	<u>Analytical Result</u>
<u>Sample #</u>		<u>Date</u>	<u>Units: std unit</u>
447241	SED-13-0-6	07/30/2003	7.66
447242	SED-13-6-12	07/30/2003	7.87
447243	SED-11-0-6	07/30/2003	7.68
447244	SED-11-6-12	07/30/2003	7.57
447245	SED-14-0-6	07/30/2003	7.51
447246	SED-14-6-12	07/30/2003	7.63
447247	SED-14-12-18	07/30/2003	7.72
447248	SED-14-18-24	07/30/2003	7.76
447249	SED-15-0-6	07/30/2003	7.67
447250	SED-15-6-12	07/30/2003	7.6

Site: Hexcel-Sed Investig

Lab Job No: L719

Date Received: 07/30/2003

Date Analyzed: 08/02/2003

Matrix: SOIL

QA Batch: 2341

pH

<u>STL Edison</u>	<u>Client ID</u>	<u>Sample</u>	<u>Analytical Result</u>
<u>Sample #</u>		<u>Date</u>	<u>Units: std unit</u>
447231	SED-8-0-6	07/30/2003	7.34
447232	SED-8-6-12	07/30/2003	7.66
447233	SED-9-0-6	07/30/2003	7.47
447234	SED-9-6-12	07/30/2003	7.54
447235	SED-10-0-6	07/30/2003	7.66
447236	SED-10-6-12	07/30/2003	7.27
447237	SED-12-0-6	07/30/2003	7.88
447238	SED-12-6-12	07/30/2003	7.68
447239	SED-13-12-18	07/30/2003	8.45

Site: Hexcel-Sed Investig

Lab Job No: L720

Date Received: 07/30/2003
Matrix: SOIL

Date Analyzed: 08/04/2003
QA Batch: 2397

Total Organic Carbon

<u>STL Edison Sample #</u>	<u>Client ID</u>	<u>Sample Date</u>	<u>Percent Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result Units: mg/kg (Dry Weight)</u>
447241	SED-13-0-6	07/30/2003	14.1	1.0	3290
447242	SED-13-6-12	07/30/2003	16.9	2.0	2300
447243	SED-11-0-6	07/30/2003	21.5	1.0	3320
447244	SED-11-6-12	07/30/2003	25.1	1.0	3240
447245	SED-14-0-6	07/30/2003	23.5	2.0	7250
447246	SED-14-6-12	07/30/2003	14.6	2.0	3160
447247	SED-14-12-18	07/30/2003	18.1	1.0	2580
447248	SED-14-18-24	07/30/2003	14.3	2.0	5380
447249	SED-15-0-6	07/30/2003	22.0	2.0	3380
447250	SED-15-6-12	07/30/2003	23.9	1.0	1990

Quantitation Limit for Total Organic Carbon is 100 mg/kg.

Site: Hexcel-Sed Investig

Lab Job No: L719

Date Received: 07/30/2003

Date Analyzed: 08/03/2003

Matrix: SOIL

QA Batch: 2390

Total Organic Carbon

<u>STL Edison Sample #</u>	<u>Client ID</u>	<u>Sample Date</u>	<u>Percent Moisture</u>	<u>Dilution Factor</u>	<u>Analytical Result Units: mg/kg (Dry Weight)</u>
447231	SED-8-0-6	07/30/2003	25.5	5.0	1220
447232	SED-8-6-12	07/30/2003	22.0	10.0	2560
447233	SED-9-0-6	07/30/2003	33.5	10.0	9790
447234	SED-9-6-12	07/30/2003	27.8	4.0	2180
447235	SED-10-0-6	07/30/2003	22.0	4.0	2940
447236	SED-10-6-12	07/30/2003	28.3	4.0	2730
447237	SED-12-0-6	07/30/2003	25.2	4.0	5010
447238	SED-12-6-12	07/30/2003	16.8	4.0	2160
447239	SED-13-12-18	07/30/2003	20.0	10.0	1650

Quantitation Limit for Total Organic Carbon is 100 mg/kg.

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE OF

Name (for report and invoice) JOSEPH SAVARESE	Samplers Name (Printed) JENNY LIU	Site/Project Identification HEXCEL FACILITY - SEDIMENT INVESTIGATION			
Company HAYLEY + ALDRICH, INC.	P.O. # 29756-013	State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:			
Address 299 CHERRY HILL ROAD, STE 105	Analysis Turnaround Time Standard <input checked="" type="checkbox"/> Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>	Regulatory Program:			
City PARSIPPANY State NJ 07054		ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)			
Phone 973-263-3900	Date	Time	Matrix	No. of Cont.	LAB USE ONLY
Fax 973-263-2580					Project No:
Sample Identification		7/30/03	1300	SEDIMENT 1	Job No:
SED-13-0-6		1305		1	L720
SED-13-6-12		1315		1	447241
SED-11-0-6		1320		1	447242
SED-11-6-12		1330		1	447243
SED-14-0-6		1335		1	447244
SED-14-6-12		1340		1	447245
SED-14-12-18		1350		1	447246
SED-14-18-24		1355		1	447247
SED-15-0-6		1400		1	447248
SED-15-6-12		1410		1	447249
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH		10	Soil:	1 1 1	447250
6 = Other _____, 7 = Other _____		TOTAL	Water:		—

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by 1) <i>S. J.</i>	Company Hayley + Aldrich	Date / Time 7/30/03 1600	Received by 1) <i>K. CHALOKA</i>	Company STL
Relinquished by 2) <i>K. CHALOKA</i>	Company STL Edison Ken Chaloka	Date / Time 7/30/03 5PM	Received by 2) <i>W. Mandya</i>	Company STL - Edison
Relinquished by 3)	Company	Date / Time 1	Received by 3)	Company
Relinquished by 4)	Company	Date / Time 1	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003

STL EDISON

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice) JOSEPH SAVARESE	Samplers Name (Printed) JENNY LIU			Site/Project Identification HEXCEL FACILITY - INVESTIGATION	
Company HALEY + ALDRICH, INC	P.O. # 29756-013				State (Location of site): NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:
				Regulatory Program:	
Address 299 CHERRY HILL ROAD STE 105	Analysis Turnaround Time Standard <input checked="" type="checkbox"/>			ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)	
City PARSIPPANY NJ	Rush Charges Authorized For: 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>			PCBs	Total Organic Carbon
Phone 973-263-3900	Fax 973-263-2580	Date	Time	Time	pH
Sample Identification	Date	Time	Matrix	No. of Cont.	Sample Numbers
SED-8-0-6	7/30/03	1030	SEDIMENT	1	X X X
SED-8-6-12		1035		1	X X X X
SED-9-0-6		1045		1	X X X X
SED-9-6-12		1050		1	X X X X
SED-10-0-6		1100		1	X X X X
SED-10-6-12		1110		1	X X X X
SED-12-0-6		1130		1	X X X X
SED-12-6-12		1145	✓	1	X X X X
SED-13-12-18		1310	✓	1	X X X X
PIPE	✓	1055	SOIL	1	X
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH, 6 = Other, 7 = Other					
Soil: 1 1 1					
Water: 10 TOTAL					

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by 1) <i>C. Liu</i>	Company Hailey+Aldrich	Date / Time 7/30/03, 1600	Received by 1) <i>Chaloka</i>	Company STL
Relinquished by 2) <i>C. Chaloka</i>	Company STL Edison Ken Chaloka	Date / Time 7/30/03, 5pm	Received by 2) <i>Paulya</i>	Company STL-Edisen
Relinquished by 3)	Company	Date / Time 1	Received by 3)	Company
Relinquished by 4)	Company	Date / Time 1	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

STL-6003